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**Monograph of  
the Aviation Epidemiology Data Register  
for Calendar Year 1988**

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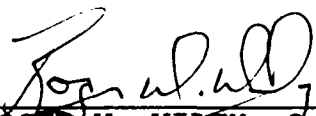
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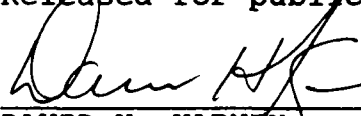
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| 19. ABSTRACT (Continue on reverse if necessary and identify by block number)<br><br>The purpose of this monograph is to provide the reader with descriptive statistics from the Aviation Epidemiology Data Register (AEDR). Data are presented for class 2/2A Flying Duty Medical Examinations (FDMEs) based on information received by the AEDR during calendar year 1988. It is our purpose to provide these data with little discussion so as to encourage comparisons with other monographs. |       |                                          |                                                                                                                                                                 |                                                      |                                   |
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## Preface

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## Introduction

The principal value of any longitudinal database is realized through the presentation of standardized monographs, periodically published reports relating the occurrence of specific events within the study population. Data derived from flying duty medical examinations (FDMEs) completed between 1 January 1988 and 31 December 1988 are presented in this 1988 monograph of the U.S. Army Aviation Epidemiology Data Registry (AEDR).

The FDME has served for many years as the principal means of collecting routine medical information on aviators. While all U.S. military services require trained aviators to undergo annual FDMEs, they have been modified by each service to the extent necessitated by the particular needs of that service. Nevertheless, all services' FDMEs conform closely in content and arrangement. The FDME is an evolving mechanism of medical information. It changes over time to ensure better reporting and accuracy, to the extent that some items even are discontinued and others are added.

Within the U.S. Army, all FDMEs are sent to the U.S. Army Aeromedical Activity, Fort Rucker Alabama (USAAMA) for centralized review and disposition. FDMEs are coded via ICD9 (International classification of diseases, clinical modification, 9th revision) procedures and other specialized coding methods that are unique to the military. Before 1986, no centralized database of FDMEs existed. However, beginning in 1986, the U.S. Army Aeromedical Laboratory (USAARL) has maintained a computerized database of all U.S. Army FDMEs processed by USAAMA. This initiated for the first time, FDME data being made available for epidemiological research.

## Purpose

The purpose of this monograph is to provide the reader with summary statistics from the AEDR database. These descriptive statistics are limited to class 2/2A FDMEs completed during calendar year 1988. We present these data with little discussion so as to encourage comparisons with other monographs.

### General rules for the AEDR monographs

1. The data are restricted to class 2/2A FDMEs and to active duty Army, reserve, and National Guard components.
2. Calendar year is defined as 1 January through 31 December.
3. Gender is defined as the gender reported on the FDME.

4. The age reported is computed based upon birth date and FDME date.
5. With respect to the age groupings, the age is based upon the age of the person in completed years.
6. Tables exclude FDMEs with missing values. Consequently, for each table the total number of FDMEs is somewhat greater than the total reported in the table.
7. Minimum and maximum values for applicable fields are set at  $\pm 4$  standard deviations.
8. Missing values within a table are not included in the totals or percentages.

### Reference

Department of Health and Human Services. 1989. International classification of diseases, clinical modification, 9th revision, 3rd ed. Washington, DC.

Appendix A.

Tables A-1 through A-51.

Table A-1.

Required items for class 2 and class 2A FDME.

|                                       | Class<br>2 | Class<br>2A | Minimum,<br>maximum<br>values |
|---------------------------------------|------------|-------------|-------------------------------|
| Arrival date                          | X          | X           |                               |
| Last name                             | X          | X           |                               |
| Grade                                 | X          | X           |                               |
| Component                             | X          | X           |                               |
| Social Security number                | X          | X           |                               |
| Date of physical                      | X          | X           |                               |
| Sex                                   | X          | X           |                               |
| Race                                  | X          | X           |                               |
| Organizational unit                   | X          | X           |                               |
| Birth date                            | X          | X           |                               |
| Exam facility code                    | X          | X           |                               |
| Return address code                   | X          | X           |                               |
| Urine specific gravity                | X          |             | 1.000,1.053                   |
| Urine albumin                         | X          |             |                               |
| Urine sugar                           | X          |             |                               |
| Urine microscopic                     | X          |             |                               |
| EKG ICD9 code                         | X          | X           |                               |
| Hematocrit vol %                      | X          | X           | 37,57                         |
| Height                                | X          | X           | 60,80                         |
| Weight                                | X          | X           | 94,261                        |
| Systolic blood pressure<br>(sitting)  | X          | X           | 77,161                        |
| Diastolic blood pressure<br>(sitting) | X          | X           | 42,109                        |
| Pulse (sitting)                       | X          |             | 30,103                        |
| Glasses                               | X          | X           |                               |
| Distant vision right                  | X          | X           |                               |
| Distant vision left                   | X          | X           |                               |
| Refraction exam type                  | X          |             |                               |
| Near vision right                     | X          | X           |                               |
| Near vision left                      | X          | X           |                               |
| Esophoria                             | X          |             |                               |
| Exophoria                             | X          |             |                               |
| Right hyperphoria                     | X          |             |                               |
| Left hyperphoria                      | X          |             |                               |
| Depth perception                      | X          |             |                               |
| Night vision                          | X          |             |                               |

Table A-1 (Continued).

|                       | Class<br>2 | Class<br>2A | Minimum,<br>maximum<br>values |
|-----------------------|------------|-------------|-------------------------------|
| Audio right 500       | X          | X           |                               |
| Audio left 500        | X          | X           |                               |
| Audio right 1000      | X          | X           |                               |
| Audio left 1000       | X          | X           |                               |
| Audio right 2000      | X          | X           |                               |
| Audio left 2000       | X          | X           |                               |
| Audio right 3000      | X          | X           |                               |
| Audio left 3000       | X          | X           |                               |
| Audio right 4000      | X          | X           |                               |
| Audio left 4000       | X          | X           |                               |
| Audio right 6000      | X          | X           |                               |
| Audio left 6000       | X          | X           |                               |
| Flight surgeon        | X          | X           |                               |
| Flight surgeon status | X          | X           |                               |
| Valsalva              | X          |             |                               |
| Dental exam           | X          |             |                               |
| Cholesterol           | X          | X           | 100,400                       |

Table A-2.  
Demographic data.

|        | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|--------|--------------------|------|----------------|------|-----------------------|------|
|        | N*                 | %    | N*             | %    | N*                    | %    |
| Male   | 12,436             | 97.4 | 2,203          | 97.1 | 6,123                 | 98.7 |
| Female | <u>327</u>         | 2.6  | <u>65</u>      | 2.9  | <u>79</u>             | 1.3  |
| Total  | 12,763             |      | 2,268          |      | 6,202                 |      |

\* Missing (not included)

| Race      | N         | % *  |
|-----------|-----------|------|
| Caucasian | 20,286    | 95.5 |
| Black     | 616       | 2.9  |
| Oriental  | 81        | 0.4  |
| Other     | 261       | 1.2  |
| Missing   | <u>51</u> |      |
|           | 21,295    |      |

\* Missing (not included in percent)

Table A-3.

Age group stratified by gender and component (N=21,254).

| Age group                | <u>Active duty</u><br>(N=12,778) |      | <u>Reserve</u><br>(N=2,272) |      | <u>National Guard</u><br>(N=6,204) |      |
|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|                          | N*                               | %    | N*                          | %    | N*                                 | %    |
| <u>Male</u>              |                                  |      |                             |      |                                    |      |
| ≤ 24                     | 1177                             | 9.5  | 199                         | 9.0  | 280                                | 4.6  |
| 25-29                    | 3289                             | 26.4 | 455                         | 20.6 | 942                                | 15.4 |
| 30-34                    | 2657                             | 21.3 | 327                         | 14.8 | 764                                | 12.5 |
| 35-39                    | 2670                             | 21.4 | 450                         | 20.4 | 1288                               | 21.0 |
| 40-44                    | 2045                             | 16.4 | 590                         | 26.7 | 2007                               | 32.7 |
| 45-49                    | 500                              | 4.0  | 131                         | 5.9  | 543                                | 4.9  |
| ≥ 50                     | 113                              | .9   | 55                          | 2.5  | 301                                | 4.9  |
| Overall                  | <u>12451</u>                     |      | <u>2207</u>                 |      | <u>6125</u>                        |      |
| <u>Female</u>            |                                  |      |                             |      |                                    |      |
| ≤ 24                     | 68                               | 20.8 | 6                           | 9.2  | 6                                  | 7.6  |
| 25-29                    | 169                              | 51.7 | 25                          | 38.5 | 34                                 | 43.0 |
| 30-34                    | 70                               | 21.4 | 21                          | 32.3 | 25                                 | 31.6 |
| 35-39                    | 14                               | 4.3  | 11                          | 16.9 | 13                                 | 16.5 |
| 40-44                    | 5                                | 1.5  | 2                           | 3.1  | 1                                  | 1.3  |
| 45-49                    | 1                                | .3   | 0                           | .    | 0                                  | .    |
| ≥ 50                     | None                             |      |                             |      |                                    |      |
| Overall                  | <u>327</u>                       |      | <u>65</u>                   |      | <u>79</u>                          |      |
| * Missing (not included) |                                  |      |                             |      |                                    |      |

Table A-4.

Urine specific gravity stratified by gender,  
age group, and component (N=18,564).

| Age<br>group  | <u>Active duty</u><br>(N=10,500) |       |      | <u>Reserve</u><br>(N=2,156) |       |      | <u>National Guard</u><br>(N=5,908) |       |      |
|---------------|----------------------------------|-------|------|-----------------------------|-------|------|------------------------------------|-------|------|
|               | N                                | Mean  | SD   | N                           | Mean  | SD   | N                                  | Mean  | SD   |
| <u>Male</u>   |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 858                              | 1.021 | .007 | 178                         | 1.021 | .006 | 235                                | 1.019 | .007 |
| 25-29         | 2213                             | 1.020 | .007 | 404                         | 1.020 | .007 | 822                                | 1.019 | .007 |
| 30-34         | 1905                             | 1.020 | .007 | 296                         | 1.020 | .007 | 670                                | 1.018 | .007 |
| 35-39         | 2641                             | 1.019 | .007 | 445                         | 1.019 | .007 | 1280                               | 1.019 | .007 |
| 40-44         | 2038                             | 1.019 | .007 | 589                         | 1.019 | .007 | 1998                               | 1.019 | .007 |
| 45-49         | 496                              | 1.019 | .007 | 131                         | 1.019 | .007 | 539                                | 1.019 | .007 |
| ≥ 50          | 112                              | 1.018 | .007 | 55                          | 1.019 | .007 | 297                                | 1.018 | .007 |
| Total         | 10263                            | 1.019 | .007 | 2098                        | 1.019 | .007 | 5841                               | 1.019 | .007 |
| <u>Female</u> |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 49                               | 1.019 | .006 | 5                           | 1.022 | .008 | 4                                  | 1.015 | .008 |
| 25-29         | 117                              | 1.019 | .007 | 23                          | 1.017 | .007 | 29                                 | 1.018 | .008 |
| 30-34         | 51                               | 1.016 | .007 | 18                          | 1.017 | .008 | 20                                 | 1.017 | .010 |
| 35-39         | 14                               | 1.022 | .008 | 10                          | 1.009 | .005 | 13                                 | 1.016 | .009 |
| 40-44         | 5                                | 1.012 | .008 | 2                           | 1.015 | .000 | 1                                  | 1.010 | .    |
| 45-49         | 1                                | 1.015 | .    | 0                           | .     | .    | 0                                  | .     | .    |
| ≥ 50          | None                             |       |      |                             |       |      |                                    |       |      |
| Total         | 237                              | 1.017 | .007 | 58                          | 1.016 | .006 | 67                                 | 1.015 | .009 |

Table A-5.

Hematocrit stratified by gender, age group,  
and component (N=20,678).

| Age<br>group  | <u>Active duty</u><br>(N=12,586) |      |     | <u>Reserve</u><br>(N=2,141) |      |     | <u>National Guard</u><br>(N=5,951) |      |     |
|---------------|----------------------------------|------|-----|-----------------------------|------|-----|------------------------------------|------|-----|
|               | N                                | Mean | SD  | N                           | Mean | SD  | N                                  | Mean | SD  |
| <u>Male</u>   |                                  |      |     |                             |      |     |                                    |      |     |
| ≤ 24          | 1177                             | 45.6 | 2.4 | 189                         | 45.9 | 2.7 | 267                                | 46.1 | 2.7 |
| 25-29         | 3269                             | 45.2 | 2.6 | 444                         | 45.6 | 2.7 | 903                                | 46.0 | 2.6 |
| 30-34         | 2628                             | 45.3 | 2.6 | 310                         | 45.5 | 2.5 | 735                                | 45.7 | 2.6 |
| 35-39         | 2622                             | 45.5 | 2.7 | 421                         | 45.8 | 2.6 | 1235                               | 45.9 | 2.5 |
| 40-44         | 1979                             | 45.4 | 2.7 | 543                         | 45.7 | 2.7 | 1933                               | 45.8 | 2.6 |
| 45-49         | 480                              | 45.5 | 2.7 | 124                         | 45.4 | 2.8 | 512                                | 45.9 | 2.5 |
| ≥ 50          | 110                              | 45.2 | 2.6 | 51                          | 45.3 | 2.6 | 288                                | 46.0 | 2.8 |
| Total         | 12265                            | 45.4 | 2.6 | 2082                        | 45.6 | 2.6 | 5873                               | 45.9 | 2.6 |
| <u>Female</u> |                                  |      |     |                             |      |     |                                    |      |     |
| ≤ 24          | 68                               | 40.4 | 2.5 | 6                           | 40.2 | 1.6 | 6                                  | 42.5 | 3.6 |
| 25-29         | 165                              | 40.6 | 2.6 | 25                          | 40.6 | 2.6 | 34                                 | 41.7 | 2.7 |
| 30-34         | 68                               | 40.6 | 2.4 | 17                          | 40.2 | 2.9 | 24                                 | 42.0 | 2.8 |
| 35-39         | 14                               | 41.2 | 2.9 | 9                           | 39.0 | 2.2 | 13                                 | 43.1 | 3.0 |
| 40-44         | 5                                | 39.6 | 1.5 | 2                           | 41.5 | 2.1 | 1                                  | 41.0 | .   |
| 45-49         | 1                                | 43.0 | .   | 0                           | .    | .   | 0                                  | .    | .   |
| ≥ 50          | None                             |      |     |                             |      |     |                                    |      |     |
| Total         | 321                              | 40.9 | 2.4 | 59                          | 40.3 | 2.3 | 78                                 | 42.1 | 3.0 |

Table A-6.

Statutory height (inches) stratified by gender,  
age group, and component (N=21,247).

| Age<br>group  | <u>Active duty</u><br>(N=12,774) |      |     | <u>Reserve</u><br>(N=2,271) |      |     | <u>National Guard</u><br>(N=6,202) |      |     |
|---------------|----------------------------------|------|-----|-----------------------------|------|-----|------------------------------------|------|-----|
|               | N                                | Mean | SD  | N                           | Mean | SD  | N                                  | Mean | SD  |
| <u>Male</u>   |                                  |      |     |                             |      |     |                                    |      |     |
| ≤ 24          | 1178                             | 70.6 | 2.4 | 199                         | 70.7 | 2.5 | 279                                | 70.5 | 2.4 |
| 25-29         | 3286                             | 70.7 | 2.5 | 455                         | 70.8 | 2.5 | 942                                | 70.7 | 2.5 |
| 30-34         | 2656                             | 70.8 | 2.5 | 327                         | 70.8 | 2.4 | 764                                | 70.8 | 2.4 |
| 35-39         | 2670                             | 70.7 | 2.5 | 450                         | 70.7 | 2.4 | 1287                               | 70.7 | 2.4 |
| 40-44         | 2044                             | 70.7 | 2.4 | 589                         | 70.7 | 2.5 | 2007                               | 70.7 | 2.4 |
| 45-49         | 500                              | 70.6 | 2.5 | 131                         | 70.4 | 2.4 | 543                                | 70.7 | 2.4 |
| ≥ 50          | 113                              | 70.3 | 2.3 | 55                          | 70.3 | 2.2 | 301                                | 70.6 | 2.4 |
| Total         | 12447                            | 70.6 | 2.4 | 2206                        | 70.6 | 2.4 | 6123                               | 70.7 | 2.4 |
| <u>Female</u> |                                  |      |     |                             |      |     |                                    |      |     |
| ≤ 24          | 68                               | 65.6 | 2.3 | 6                           | 66.7 | 2.5 | 6                                  | 65.5 | 1.5 |
| 25-29         | 169                              | 65.9 | 2.3 | 25                          | 65.8 | 2.1 | 34                                 | 66.5 | 2.5 |
| 30-34         | 70                               | 66.1 | 2.1 | 21                          | 65.7 | 2.2 | 25                                 | 65.5 | 2.0 |
| 35-39         | 14                               | 66.3 | 2.8 | 11                          | 66.4 | 2.2 | 13                                 | 66.1 | 2.0 |
| 40-44         | 5                                | 65.2 | 2.4 | 2                           | 64.0 | 1.4 | 1                                  | 68.0 | .   |
| 45-49         | 1                                | 64.0 | .   | 0                           | .    | .   | 0                                  | .    | .   |
| ≥ 50          | None                             |      |     |                             |      |     |                                    |      |     |
| Total         | 327                              | 65.5 | 2.4 | 65                          | 65.5 | 2.1 | 79                                 | 66.3 | 2.0 |

Table A-7.

Body mass (in lbs) stratified by gender, age group,  
and component (N=21,643).

| Age<br>group  | <u>Active duty</u><br>(N=12,775) |       |      | <u>Reserve</u><br>(N=2,667) |       |      | <u>National Guard</u><br>(N=6,201) |       |      |
|---------------|----------------------------------|-------|------|-----------------------------|-------|------|------------------------------------|-------|------|
|               | N                                | Mean  | SD   | N                           | Mean  | SD   | N                                  | Mean  | SD   |
| <u>Male</u>   |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 1178                             | 170.0 | 18.8 | 199                         | 169.5 | 19.7 | 279                                | 170.2 | 19.8 |
| 25-29         | 3287                             | 173.4 | 20.0 | 454                         | 173.7 | 20.8 | 942                                | 174.7 | 20.2 |
| 30-34         | 2657                             | 177.0 | 20.1 | 325                         | 177.0 | 20.5 | 764                                | 177.7 | 20.4 |
| 35-39         | 2670                             | 178.6 | 19.3 | 449                         | 180.2 | 19.6 | 1287                               | 180.8 | 19.9 |
| 40-44         | 2044                             | 181.1 | 20.1 | 589                         | 181.8 | 21.1 | 2006                               | 182.5 | 19.8 |
| 45-49         | 500                              | 179.4 | 18.5 | 131                         | 183.2 | 18.9 | 543                                | 183.4 | 19.1 |
| ≥ 50          | 113                              | 180.3 | 17.8 | 55                          | 179.9 | 21.6 | 301                                | 182.2 | 19.3 |
| Total         | 12449                            | 177.1 | 19.2 | 2202                        | 177.9 | 20.3 | 6122                               | 178.8 | 19.8 |
| <u>Female</u> |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 68                               | 133.3 | 14.1 | 6                           | 133.2 | 11.8 | 6                                  | 134.8 | 17.7 |
| 25-29         | 168                              | 132.8 | 14.9 | 25                          | 134.6 | 12.1 | 34                                 | 136.5 | 19.9 |
| 30-34         | 70                               | 138.1 | 15.3 | 21                          | 135.4 | 18.3 | 25                                 | 129.1 | 9.6  |
| 35-39         | 14                               | 136.8 | 15.0 | 11                          | 142.4 | 15.6 | 13                                 | 129.3 | 17.3 |
| 40-44         | 5                                | 139.0 | 21.1 | 2                           | 123.0 | 9.9  | 1                                  | 146.0 | .    |
| 45-49         | 1                                | 129.0 | .    | 0                           | .     | .    | 0                                  | .     | .    |
| ≥ 50          | None                             |       |      |                             |       |      |                                    |       |      |
| Total         | 326                              | 134.8 | 16.1 | 65                          | 133.7 | 13.5 | 79                                 | 135.1 | 16.1 |

Table A-8.

Body mass index\* stratified by gender, age group,  
and component (N=21,248).

| Age<br>group                                                     | <u>Active duty</u><br>(N=12,777) |             |            | <u>Reserve</u><br>(N=2,270) |             |            | <u>National Guard</u><br>(N=6,201) |             |            |
|------------------------------------------------------------------|----------------------------------|-------------|------------|-----------------------------|-------------|------------|------------------------------------|-------------|------------|
|                                                                  | N                                | Mean        | SD         | N                           | Mean        | SD         | N                                  | Mean        | SD         |
| <u>Male</u>                                                      |                                  |             |            |                             |             |            |                                    |             |            |
| ≤ 24                                                             | 1178                             | 24.0        | 2.2        | 199                         | 23.8        | 2.1        | 279                                | 24.0        | 2.1        |
| 25-29                                                            | 3288                             | 24.4        | 2.2        | 454                         | 24.4        | 2.3        | 942                                | 24.5        | 2.3        |
| 30-34                                                            | 2657                             | 24.9        | 2.1        | 326                         | 24.8        | 2.3        | 764                                | 24.9        | 2.2        |
| 35-39                                                            | 2670                             | 25.1        | 2.0        | 450                         | 25.4        | 2.4        | 1287                               | 25.4        | 2.2        |
| 40-44                                                            | 2044                             | 25.5        | 2.2        | 590                         | 25.6        | 2.2        | 2006                               | 25.7        | 2.1        |
| 45-49                                                            | 500                              | 25.3        | 2.0        | 131                         | 26.0        | 2.1        | 543                                | 25.8        | 2.1        |
| ≥ 50                                                             | 113                              | 25.6        | 2.0        | 55                          | 25.6        | 2.0        | 301                                | 25.7        | 1.9        |
| Total                                                            | <u>12450</u>                     | <u>25.0</u> | <u>2.1</u> | <u>2205</u>                 | <u>25.1</u> | <u>2.2</u> | <u>6122</u>                        | <u>25.1</u> | <u>2.1</u> |
| <u>Female</u>                                                    |                                  |             |            |                             |             |            |                                    |             |            |
| ≤ 24                                                             | 68                               | 21.8        | 1.8        | 6                           | 21.2        | 2.4        | 6                                  | 22.1        | 2.2        |
| 25-29                                                            | 169                              | 21.5        | 1.9        | 25                          | 21.9        | 1.6        | 34                                 | 21.7        | 2.5        |
| 30-34                                                            | 70                               | 22.3        | 2.0        | 21                          | 22.1        | 2.2        | 25                                 | 21.2        | 1.7        |
| 35-39                                                            | 14                               | 21.8        | 1.3        | 11                          | 22.7        | 2.1        | 13                                 | 20.8        | 2.5        |
| 40-44                                                            | 5                                | 23.0        | 3.4        | 2                           | 21.2        | 2.6        | 1                                  | 22.2        | .          |
| 45-49                                                            | 1                                | 22.2        | .          | 0                           | .           | .          | 0                                  | .           | .          |
| ≥ 50                                                             | None                             |             |            |                             |             |            |                                    |             |            |
| Total                                                            | <u>327</u>                       | <u>22.1</u> | <u>2.1</u> | <u>65</u>                   | <u>21.8</u> | <u>2.2</u> | <u>79</u>                          | <u>21.6</u> | <u>2.2</u> |
| * BMI = $\frac{\text{weight (kg)}}{\text{height}^2 \text{ (m)}}$ |                                  |             |            |                             |             |            |                                    |             |            |

Table A-9.

Systolic blood pressure (mm Hg): sitting stratified  
by gender, age group, and component (N=21,197).

| Age<br>group  | <u>Active duty</u><br>(N=12,752) |       |      | <u>Reserve</u><br>(N=2,262) |       |      | <u>National Guard</u><br>(N=6,183) |       |      |
|---------------|----------------------------------|-------|------|-----------------------------|-------|------|------------------------------------|-------|------|
|               | N                                | Mean  | SD   | N                           | Mean  | SD   | N                                  | Mean  | SD   |
| <u>Male</u>   |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 1177                             | 117.6 | 9.1  | 199                         | 117.8 | 10.0 | 280                                | 119.0 | 9.4  |
| 25-29         | 3285                             | 117.7 | 9.6  | 453                         | 118.1 | 9.6  | 939                                | 118.8 | 10.1 |
| 30-34         | 2653                             | 117.5 | 9.6  | 326                         | 118.7 | 10.5 | 762                                | 118.2 | 9.7  |
| 35-39         | 2666                             | 117.9 | 10.3 | 447                         | 118.0 | 9.5  | 1283                               | 119.1 | 10.2 |
| 40-44         | 2036                             | 118.4 | 10.2 | 588                         | 118.8 | 10.6 | 1998                               | 119.3 | 10.7 |
| 45-49         | 497                              | 118.9 | 11.1 | 129                         | 119.4 | 10.9 | 542                                | 120.9 | 10.7 |
| ≥ 50          | 113                              | 118.9 | 12.0 | 55                          | 121.3 | 9.8  | 300                                | 124.1 | 11.3 |
| Total         | 12427                            | 118.1 | 10.3 | 2197                        | 118.9 | 10.1 | 6104                               | 119.9 | 10.3 |
| <u>Female</u> |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 67                               | 106.5 | 8.8  | 6                           | 105.7 | 11.9 | 6                                  | 99.7  | 9.0  |
| 25-29         | 168                              | 107.8 | 9.8  | 25                          | 106.7 | 9.7  | 34                                 | 111.1 | 10.7 |
| 30-34         | 70                               | 108.4 | 9.9  | 21                          | 112.1 | 9.1  | 25                                 | 109.5 | 12.1 |
| 35-39         | 14                               | 107.6 | 8.4  | 11                          | 105.8 | 6.9  | 13                                 | 107.1 | 9.2  |
| 40-44         | 5                                | 111.6 | 13.9 | 2                           | 114.0 | 19.8 | 1                                  | 110.0 | .    |
| 45-49         | 1                                | 92.0  | .    | 0                           | .     | .    | 0                                  | .     | .    |
| ≥ 50          | None                             |       |      |                             |       |      |                                    |       |      |
| Total         | 325                              | 105.6 | 10.2 | 65                          | 108.9 | 11.5 | 79                                 | 107.5 | 10.2 |

Table A-10.

Diastolic blood pressure (mm Hg): sitting stratified  
by gender, age group, and component (N=21,449).

| Age<br>group  | <u>Active duty</u><br>(N=13,002) |      |     | <u>Reserve</u><br>(N=2,259) |      |     | <u>National Guard</u><br>(N=6,188) |      |     |
|---------------|----------------------------------|------|-----|-----------------------------|------|-----|------------------------------------|------|-----|
|               | N                                | Mean | SD  | N                           | Mean | SD  | N                                  | Mean | SD  |
| <u>Male</u>   |                                  |      |     |                             |      |     |                                    |      |     |
| ≤ 24          | 1176                             | 75.4 | 8.1 | 199                         | 74.5 | 7.8 | 280                                | 74.7 | 8.2 |
| 25-29         | 3284                             | 75.0 | 7.9 | 453                         | 75.6 | 8.4 | 940                                | 75.8 | 7.7 |
| 30-34         | 2652                             | 75.3 | 8.1 | 325                         | 76.4 | 8.4 | 762                                | 75.7 | 7.6 |
| 35-39         | 2663                             | 76.2 | 8.2 | 446                         | 76.5 | 7.7 | 1284                               | 76.8 | 7.5 |
| 40-44         | 2034                             | 76.5 | 8.3 | 588                         | 77.2 | 8.3 | 2000                               | 77.7 | 7.6 |
| 45-49         | 498                              | 77.6 | 8.3 | 129                         | 78.2 | 7.5 | 543                                | 78.3 | 7.5 |
| ≥ 50          | 113                              | 77.7 | 8.9 | 54                          | 76.8 | 8.0 | 300                                | 79.0 | 7.9 |
| Total         | 12420                            | 76.2 | 8.2 | 2194                        | 76.4 | 8.0 | 6109                               | 76.8 | 7.7 |
| <u>Female</u> |                                  |      |     |                             |      |     |                                    |      |     |
| ≤ 24          | 68                               | 68.7 | 7.3 | 6                           | 76.7 | 5.7 | 6                                  | 63.3 | 7.8 |
| 25-29         | 167                              | 69.2 | 8.1 | 25                          | 69.9 | 6.4 | 34                                 | 71.0 | 7.1 |
| 30-34         | 70                               | 69.3 | 8.6 | 21                          | 71.6 | 9.1 | 25                                 | 70.4 | 7.8 |
| 35-39         | 14                               | 70.6 | 7.4 | 11                          | 67.1 | 6.9 | 13                                 | 71.5 | 6.0 |
| 40-44         | 5                                | 72.4 | 8.3 | 2                           | 82.0 | 2.8 | 1                                  | 66.0 | .   |
| 45-49         | 1                                | 60.0 | .   | 0                           | .    | .   | 0                                  | .    | .   |
| ≥ 50          | None                             |      |     |                             |      |     |                                    |      |     |
| Total         | 325                              | 68.4 | 7.9 | 65                          | 73.5 | 6.2 | 79                                 | 68.4 | 7.2 |

Table A-11.

Elevated bp\* for males stratified  
by age group and component.

| Age<br>group | <u>Active duty</u> |     |                       | N    | <u>Reserve</u> |         |                       | N    | <u>National Guard</u> |         |                       |
|--------------|--------------------|-----|-----------------------|------|----------------|---------|-----------------------|------|-----------------------|---------|-----------------------|
|              | N                  | N   | Meeting<br>definition |      | N              | N       | Meeting<br>definition |      | N                     | N       | Meeting<br>definition |
| ≤ 24         | 1176               | 53  | (4.5)**               | 199  | 9              | (4.5)** |                       | 280  | 8                     | (2.9)** |                       |
| 25-29        | 3284               | 134 | (4.1)                 | 452  | 25             | (5.5)   |                       | 938  | 36                    | (3.8)   |                       |
| 30-34        | 2651               | 106 | (4.0)                 | 325  | 23             | (7.0)   |                       | 762  | 26                    | (3.4)   |                       |
| 35-39        | 2662               | 136 | (5.1)                 | 446  | 21             | (4.7)   |                       | 1282 | 54                    | (4.2)   |                       |
| 40-44        | 2031               | 115 | (5.6)                 | 588  | 37             | (6.3)   |                       | 1997 | 130                   | (6.6)   |                       |
| 45-49        | 497                | 33  | (6.6)                 | 129  | 14             | (10.9)  |                       | 542  | 32                    | (5.9)   |                       |
| ≥ 50         | 113                | 11  | (9.7)                 | 54   | 5              | (9.3)   |                       | 300  | 29                    | (9.6)   |                       |
| Total        | 12414              | 588 | (4.7)                 | 2193 | 134            | (6.1)   |                       | 6101 | 315                   | (5.2)   |                       |

\* Elevated blood pressure defined as individuals  
≥ 140 systolic bp and/or ≥ 90 diastolic bp

\*\* indicates percent of individuals meeting elevated bp definition

Table A-12.

Pulse: sitting stratified by gender, age group,  
and component (N=18,533).

| Age<br>group  | <u>Active duty</u><br>(N=10,601) |      |      | <u>Reserve</u><br>(N=2,138) |      |      | <u>National Guard</u><br>(N=5,794) |      |     |
|---------------|----------------------------------|------|------|-----------------------------|------|------|------------------------------------|------|-----|
|               | N                                | Mean | SD   | N                           | Mean | SD   | N                                  | Mean | SD  |
| <u>Male</u>   |                                  |      |      |                             |      |      |                                    |      |     |
| ≤ 24          | 884                              | 65.3 | 8.7  | 181                         | 68.2 | 9.5  | 222                                | 69.0 | 9.2 |
| 25-29         | 2268                             | 65.6 | 8.8  | 399                         | 67.2 | 9.1  | 773                                | 68.1 | 9.2 |
| 30-34         | 1931                             | 67.0 | 9.0  | 291                         | 67.4 | 9.0  | 619                                | 67.9 | 8.6 |
| 35-39         | 2638                             | 67.8 | 8.9  | 443                         | 68.4 | 8.9  | 1279                               | 68.6 | 8.8 |
| 40-44         | 2032                             | 67.7 | 8.8  | 582                         | 68.6 | 9.3  | 1999                               | 69.3 | 9.2 |
| 45-49         | 499                              | 67.9 | 9.2  | 127                         | 69.5 | 9.1  | 541                                | 69.0 | 8.9 |
| ≥ 50          | 113                              | 67.2 | 10.0 | 54                          | 67.4 | 9.3  | 298                                | 70.0 | 9.0 |
| Total         | 10365                            | 66.9 | 9.0  | 2077                        | 68.1 | 9.2  | 5731                               | 68.8 | 9.0 |
| <u>Female</u> |                                  |      |      |                             |      |      |                                    |      |     |
| ≤ 24          | 50                               | 63.9 | 7.0  | 6                           | 66.0 | 10.6 | 4                                  | 63.0 | 9.0 |
| 25-29         | 118                              | 67.4 | 8.7  | 24                          | 68.5 | 10.1 | 26                                 | 71.0 | 9.5 |
| 30-34         | 49                               | 69.2 | 9.5  | 18                          | 69.2 | 8.1  | 19                                 | 69.3 | 7.7 |
| 35-39         | 13                               | 72.1 | 11.8 | 11                          | 69.1 | 8.6  | 13                                 | 68.1 | 7.8 |
| 40-44         | 5                                | 75.0 | 9.5  | 2                           | 83.0 | 7.1  | 1                                  | 60.0 | .   |
| 45-49         | 1                                | 60.0 | .    | 0                           | .    | .    | 0                                  | .    | .   |
| ≥ 50          | None                             |      |      |                             |      |      |                                    |      |     |
| Total         | 236                              | 67.9 | 9.3  | 61                          | 71.2 | 8.9  | 63                                 | 66.3 | 8.5 |

Table A-13.

Total serum cholesterol stratified by gender,  
age group, and component (N=16,761).

| Age<br>group  | <u>Active duty</u><br>(N=10,947) |       |      | <u>Reserve</u><br>(N=1,665) |       |      | <u>National Guard</u><br>(N=4,149) |       |      |
|---------------|----------------------------------|-------|------|-----------------------------|-------|------|------------------------------------|-------|------|
|               | N                                | Mean  | SD   | N                           | Mean  | SD   | N                                  | Mean  | SD   |
| <u>Male</u>   |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 985                              | 180.4 | 36.0 | 120                         | 182.4 | 39.7 | 168                                | 181.7 | 33.9 |
| 25-29         | 2619                             | 187.4 | 36.8 | 325                         | 183.9 | 36.8 | 518                                | 186.7 | 34.4 |
| 30-34         | 2130                             | 199.6 | 38.1 | 228                         | 198.9 | 38.6 | 436                                | 194.5 | 34.3 |
| 35-39         | 2377                             | 205.8 | 39.2 | 312                         | 206.8 | 37.7 | 774                                | 204.6 | 37.4 |
| 40-44         | 1973                             | 212.8 | 38.2 | 469                         | 206.7 | 37.2 | 1566                               | 210.0 | 38.2 |
| 45-49         | 480                              | 214.5 | 38.8 | 111                         | 215.3 | 36.0 | 414                                | 211.2 | 39.0 |
| ≥ 50          | 109                              | 215.9 | 37.3 | 50                          | 213.8 | 37.5 | 231                                | 219.5 | 40.5 |
| Total         | 10673                            | 202.3 | 37.8 | 1615                        | 201.1 | 37.6 | 4107                               | 201.2 | 36.8 |
| <u>Female</u> |                                  |       |      |                             |       |      |                                    |       |      |
| ≤ 24          | 60                               | 193.4 | 27.5 | 6                           | 193.0 | 27.9 | 5                                  | 175.4 | 20.2 |
| 25-29         | 137                              | 183.6 | 31.0 | 19                          | 197.9 | 45.3 | 18                                 | 184.5 | 35.1 |
| 30-34         | 55                               | 193.1 | 35.4 | 16                          | 192.9 | 37.5 | 11                                 | 184.0 | 20.0 |
| 35-39         | 14                               | 183.2 | 35.3 | 8                           | 186.9 | 41.5 | 7                                  | 184.1 | 22.3 |
| 40-44         | 4                                | 210.5 | 32.1 | 1                           | 183.0 | .    | 1                                  | 182.0 | .    |
| 45-49         | 1                                | 183.0 | .    | 0                           | .     | .    | 0                                  | .     | .    |
| ≥ 50          | None                             |       |      |                             |       |      |                                    |       |      |
| Total         | 271                              | 191.1 | 32.3 | 50                          | 190.7 | 38.0 | 42                                 | 182.0 | 24.4 |

Table A-14.

Elevated\* total serum cholesterol stratified by gender,  
age group, and component (N=16,758).

| Age<br>group  | <u>Active duty</u><br>(N=10,944) |      |                       | <u>Reserve</u><br>(N=1,665) |     |                       | <u>National Guard</u><br>(N=4,149) |      |                       |
|---------------|----------------------------------|------|-----------------------|-----------------------------|-----|-----------------------|------------------------------------|------|-----------------------|
|               | N                                | N    | Meeting<br>definition | N                           | N   | Meeting<br>definition | N                                  | N    | Meeting<br>definition |
| <u>Male</u>   |                                  |      |                       |                             |     |                       |                                    |      |                       |
| ≤ 24          | 985                              | 244  | (24.8)**              | 120                         | 34  | (28.3)**              | 168                                | 44   | (26.2)**              |
| 25-29         | 2619                             | 864  | (33.0)                | 325                         | 89  | (27.4)                | 518                                | 173  | (33.4)                |
| 30-34         | 2130                             | 990  | (46.5)                | 228                         | 98  | (43.0)                | 436                                | 175  | (40.1)                |
| 35-39         | 2377                             | 1269 | (53.4)                | 312                         | 175 | (56.1)                | 774                                | 415  | (53.6)                |
| 40-44         | 1973                             | 1251 | (63.4)                | 469                         | 253 | (53.9)                | 1566                               | 915  | (58.4)                |
| 45-49         | 480                              | 310  | (64.6)                | 111                         | 71  | (64.0)                | 414                                | 237  | (57.2)                |
| ≥ 50          | 109                              | 72   | (66.1)                | 50                          | 33  | (66.0)                | 231                                | 160  | (69.3)                |
| Total         | 10673                            | 5000 | (46.8)                | 1615                        | 753 | (46.6)                | 4107                               | 2119 | (51.6)                |
| <u>Female</u> |                                  |      |                       |                             |     |                       |                                    |      |                       |
| ≤ 24          | 60                               | 24   | (40.0)                | 6                           | 3   | (50.0)                | 5                                  | 1    | (20.0)                |
| 25-29         | 137                              | 37   | (27.0)                | 19                          | 10  | (52.6)                | 18                                 | 5    | (27.8)                |
| 30-34         | 55                               | 18   | (32.7)                | 16                          | 9   | (56.3)                | 11                                 | 1    | (9.1)                 |
| 35-39         | 14                               | 4    | (28.6)                | 8                           | 3   | (37.5)                | 7                                  | 3    | (42.9)                |
| 40-44         | 4                                | 3    | (75.0)                | 1                           | 0   | .                     | 1                                  | 0    | .                     |
| 45-49         | 1                                | 0    | .                     | 0                           | 0   | .                     | 0                                  | 0    | .                     |
| ≥ 50          | None                             |      |                       |                             |     |                       |                                    |      |                       |
| Total         | 271                              | 86   | (31.7)                | 50                          | 25  | (50.0)                | 42                                 | 10   | (23.8)                |

\* Elevated cholesterol are individuals with cholesterol ≥ 200

\*\* Percent individuals with cholesterol ≥ 200

Table A-15.

Corrective lenses stratified by gender, age group,  
and component (N=21,240).

| Age<br>group            | <u>Active duty</u><br>(N=12,772) |              |           | <u>Reserve</u><br>(N=2,269) |              |           | <u>National Guard</u><br>(N=6,199) |              |           |
|-------------------------|----------------------------------|--------------|-----------|-----------------------------|--------------|-----------|------------------------------------|--------------|-----------|
|                         | N*                               | Freq<br>wear | %<br>wear | N*                          | Freq<br>wear | %<br>wear | N*                                 | Freq<br>wear | %<br>wear |
| <u>Male</u>             |                                  |              |           |                             |              |           |                                    |              |           |
| ≤ 24                    | 1177                             | 104          | 8.8       | 198                         | 18           | 9.0       | 280                                | 22           | 7.9       |
| 25-29                   | 3287                             | 357          | 10.9      | 455                         | 49           | 10.8      | 942                                | 90           | 9.6       |
| 30-34                   | 2654                             | 357          | 13.4      | 327                         | 47           | 14.4      | 763                                | 125          | 16.4      |
| 35-39                   | 2669                             | 575          | 21.5      | 448                         | 97           | 21.6      | 1288                               | 289          | 22.4      |
| 40-44                   | 2045                             | 908          | 44.4      | 590                         | 259          | 43.9      | 2004                               | 814          | 40.6      |
| 45-49                   | 500                              | 446          | 89.2      | 131                         | 111          | 84.7      | 543                                | 441          | 81.2      |
| ≥ 50                    | 113                              | 112          | 99.1      | 55                          | 52           | 94.5      | 300                                | 292          | 97.0      |
| Overall                 | 12445                            | 2859         | 23.0      | 2204                        | 633          | 28.7      | 6120                               | 2073         | 33.9      |
| <u>Female</u>           |                                  |              |           |                             |              |           |                                    |              |           |
| ≤ 24                    | 68                               | 8            | 11.8      | 6                           | 0            | .         | 6                                  | 0            | .         |
| 25-29                   | 169                              | 26           | 15.4      | 25                          | 1            | 4.0       | 34                                 | 3            | 8.8       |
| 30-34                   | 70                               | 13           | 18.6      | 21                          | 7            | 33.3      | 25                                 | 4            | 16.0      |
| 35-39                   | 14                               | 3            | 21.4      | 11                          | 1            | 9.1       | 13                                 | 4            | 30.8      |
| 40-44                   | 5                                | 3            | 60.0      | 2                           | 1            | 50.0      | 1                                  | 1            | 100.      |
| 45-49                   | 1                                | 1            | 100.      | 0                           | 0            | .         | 0                                  | 0            | .         |
| ≥ 50                    | None                             |              |           |                             |              |           |                                    |              |           |
| Overall                 | 327                              | 54           | 16.5      | 65                          | 10           | 15.4      | 79                                 | 12           | 15.2      |
| * Missing, not included |                                  |              |           |                             |              |           |                                    |              |           |

Table A-16.

Male right eye distant vision stratified by age group  
and component (N=20,771).

| Age group | DVR**   | <u>Active duty</u><br>(N=12,446) |      | <u>Reserve</u><br>(N=2,205) |      | <u>National Guard</u><br>(N=6,120) |      |
|-----------|---------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|           |         | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24      | < 20    | 57                               | 4.8  | 17                          | 8.5  | 33                                 | 11.8 |
|           | 20      | 1031                             | 87.6 | 169                         | 84.9 | 227                                | 81.1 |
|           | 21 - 40 | 62                               | 5.3  | 7                           | 3.5  | 12                                 | 4.3  |
|           | 41 - 70 | 21                               | 1.8  | 6                           | 3.0  | 5                                  | 1.8  |
|           | > 70    | 6                                | 0.5  | 0                           | .    | 3                                  | 1.1  |
|           | M*      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29     | < 20    | 272                              | 8.3  | 29                          | 6.4  | 121                                | 12.8 |
|           | 20      | 2727                             | 82.9 | 385                         | 84.6 | 748                                | 79.4 |
|           | 21 - 40 | 211                              | 6.4  | 26                          | 5.7  | 50                                 | 5.3  |
|           | 41 - 70 | 51                               | 1.6  | 9                           | 2.0  | 18                                 | 1.9  |
|           | > 70    | 27                               | 0.8  | 6                           | 1.3  | 5                                  | 0.5  |
|           | M*      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34     | < 20    | 186                              | 7.0  | 24                          | 7.3  | 85                                 | 11.1 |
|           | 20      | 2183                             | 82.2 | 263                         | 80.4 | 578                                | 75.7 |
|           | 21 - 40 | 195                              | 7.3  | 26                          | 8.0  | 51                                 | 6.7  |
|           | 41 - 70 | 57                               | 2.1  | 11                          | 3.4  | 31                                 | 4.1  |
|           | > 70    | 35                               | 1.3  | 2                           | 0.9  | 19                                 | 2.5  |
|           | M*      | 1                                |      | 0                           |      | 0                                  |      |
| 35-39     | < 20    | 204                              | 7.6  | 32                          | 7.1  | 157                                | 12.2 |
|           | 20      | 2023                             | 75.8 | 339                         | 75.7 | 914                                | 71.0 |
|           | 21 - 40 | 271                              | 10.2 | 43                          | 9.6  | 117                                | 9.1  |
|           | 41 - 70 | 103                              | 3.9  | 23                          | 5.1  | 64                                 | 5.0  |
|           | > 70    | 67                               | 2.5  | 11                          | 2.5  | 36                                 | 2.8  |
|           | M*      | 2                                |      | 2                           |      | 0                                  |      |

Table A-16 (Continued).

| Age group | DVR     | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|---------|--------------------|------|----------------|------|-----------------------|------|
|           |         | N                  | %    | N              | %    | N                     | %    |
| 40-44     | < 20    | 107                | 5.2  | 39             | 6.6  | 236                   | 11.8 |
|           | 20      | 1419               | 69.4 | 403            | 68.3 | 1338                  | 66.8 |
|           | 21 - 40 | 282                | 13.8 | 81             | 13.7 | 231                   | 11.5 |
|           | 41 - 70 | 123                | 6.0  | 34             | 5.8  | 114                   | 5.7  |
|           | > 70    | 113                | 5.5  | 33             | 5.6  | 84                    | 4.2  |
|           | M*      | 1                  |      | 0              |      | 4                     |      |
| 45-49     | < 20    | 31                 | 6.2  | 4              | 3.1  | 38                    | 7.0  |
|           | 20      | 256                | 51.2 | 79             | 60.3 | 313                   | 57.6 |
|           | 21 - 40 | 125                | 25.0 | 25             | 19.1 | 109                   | 20.1 |
|           | 41 - 70 | 42                 | 8.4  | 12             | 9.2  | 48                    | 8.8  |
|           | > 70    | 46                 | 9.2  | 11             | 8.4  | 35                    | 6.4  |
|           | M*      | 0                  |      | 0              |      | 0                     |      |
| ≥ 50      | < 20    | 3                  | 2.7  | 1              | 1.8  | 10                    | 3.3  |
|           | 20      | 50                 | 44.2 | 29             | 52.7 | 139                   | 46.3 |
|           | 21 - 40 | 32                 | 28.3 | 16             | 29.1 | 92                    | 30.7 |
|           | 41 - 70 | 18                 | 15.9 | 5              | 9.1  | 36                    | 12.0 |
|           | > 70    | 10                 | 8.8  | 4              | 7.3  | 23                    | 7.7  |
|           | M*      | 0                  |      | 0              |      | 1                     |      |

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-17.

Male left eye distant vision stratified by age group  
and component (N=20,770).

| Age group | DVL**   | <u>Active duty</u><br>(N=12,448) |      | <u>Reserve</u><br>(N=2,204) |      | <u>National Guard</u><br>(N=6,118) |      |
|-----------|---------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|           |         | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24      | < 20    | 71                               | 6.0  | 15                          | 7.5  | 36                                 | 12.9 |
|           | 20      | 1019                             | 86.6 | 170                         | 85.4 | 227                                | 81.1 |
|           | 21 - 40 | 61                               | 5.2  | 11                          | 5.5  | 10                                 | 3.6  |
|           | 41 - 70 | 20                               | 1.7  | 3                           | 1.5  | 4                                  | 1.4  |
|           | > 70    | 6                                | 0.5  | 0                           | .    | 3                                  | 1.1  |
|           | M*      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29     | < 20    | 291                              | 8.8  | 30                          | 6.6  | 133                                | 14.1 |
|           | 20      | 2700                             | 82.1 | 383                         | 84.4 | 730                                | 77.5 |
|           | 21 - 40 | 216                              | 6.6  | 26                          | 5.7  | 51                                 | 5.4  |
|           | 41 - 70 | 54                               | 1.6  | 8                           | 1.8  | 22                                 | 2.3  |
|           | > 70    | 28                               | 0.9  | 7                           | 1.5  | 6                                  | 0.6  |
|           | M*      | 0                                |      | 1                           |      | 0                                  |      |
| 30-34     | < 20    | 205                              | 7.7  | 31                          | 9.5  | 94                                 | 12.3 |
|           | 20      | 2178                             | 82.0 | 259                         | 79.2 | 559                                | 73.2 |
|           | 21 - 40 | 173                              | 6.5  | 26                          | 8.0  | 69                                 | 9.0  |
|           | 41 - 70 | 61                               | 2.3  | 8                           | 2.4  | 27                                 | 3.5  |
|           | > 70    | 39                               | 1.5  | 3                           | 0.9  | 15                                 | 2.0  |
|           | M*      | 1                                |      | 0                           |      | 0                                  |      |
| 35-39     | < 20    | 217                              | 8.1  | 32                          | 7.1  | 184                                | 14.3 |
|           | 20      | 2021                             | 75.7 | 343                         | 76.6 | 879                                | 68.3 |
|           | 21 - 40 | 267                              | 10.0 | 40                          | 8.9  | 122                                | 9.5  |
|           | 41 - 70 | 99                               | 3.7  | 22                          | 4.9  | 70                                 | 5.4  |
|           | > 70    | 65                               | 2.4  | 11                          | 2.5  | 32                                 | 2.5  |
|           | M*      | 1                                |      | 2                           |      | 1                                  |      |

Table A-17 (Continued).

| Age group | DVL     | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|---------|--------------------|------|----------------|------|-----------------------|------|
|           |         | N                  | %    | N              | %    | N                     | %    |
| 40-44     | < 20    | 126                | 6.2  | 38             | 6.4  | 251                   | 12.5 |
|           | 20      | 1432               | 70.1 | 408            | 69.2 | 1329                  | 66.4 |
|           | 21 - 40 | 264                | 12.9 | 80             | 13.6 | 227                   | 11.3 |
|           | 41 - 70 | 120                | 5.9  | 35             | 5.9  | 112                   | 5.6  |
|           | > 70    | 120                | 5.0  | 29             | 4.9  | 83                    | 4.1  |
|           | M*      | 1                  |      | 0              |      | 5                     |      |
| 45-49     | < 20    | 36                 | 7.2  | 6              | 4.6  | 45                    | 8.3  |
|           | 20      | 249                | 49.9 | 79             | 60.3 | 317                   | 58.4 |
|           | 21 - 40 | 121                | 24.2 | 29             | 22.1 | 100                   | 18.4 |
|           | 41 - 70 | 54                 | 10.8 | 8              | 6.1  | 52                    | 9.6  |
|           | > 70    | 40                 | 8.0  | 9              | 6.9  | 29                    | 5.3  |
|           | M*      | 0                  |      | 0              |      | 0                     |      |
| ≥ 50      | < 20    | 4                  | 3.5  | 2              | 3.6  | 10                    | 3.3  |
|           | 20      | 44                 | 38.9 | 30             | 54.5 | 142                   | 47.3 |
|           | 21 - 40 | 40                 | 35.4 | 15             | 27.3 | 89                    | 29.7 |
|           | 41 - 70 | 14                 | 12.4 | 5              | 9.1  | 37                    | 12.3 |
|           | > 70    | 11                 | 9.7  | 3              | 5.5  | 22                    | 7.3  |
|           | M*      | 0                  |      | 0              |      | 1                     |      |

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-18.

Male right eye near vision stratified by age group  
and component (N=20,501).

| Age group | NVR**   | <u>Active duty</u><br>(N=12,224) |      | <u>Reserve</u><br>(N=2,180) |      | <u>National Guard</u><br>(N=6,097) |      |
|-----------|---------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|           |         | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24      | < 20    | 37                               | 3.2  | 8                           | 4.1  | 32                                 | 11.5 |
|           | 20      | 1103                             | 95.5 | 189                         | 95.9 | 244                                | 87.5 |
|           | 21 - 40 | 15                               | 1.3  | 0                           | .    | 3                                  | 1.1  |
|           | 41 - 70 | 0                                | .    | 0                           | .    | 0                                  | .    |
|           | > 70    | 0                                | .    | 0                           | .    | 0                                  | .    |
|           | M*      | 22                               |      | 2                           |      | 1                                  |      |
| 25-29     | < 20    | 149                              | 4.6  | 17                          | 3.8  | 102                                | 10.9 |
|           | 20      | 3001                             | 93.1 | 421                         | 94.2 | 822                                | 87.5 |
|           | 21 - 40 | 68                               | 2.1  | 8                           | 1.8  | 14                                 | 1.5  |
|           | 41 - 70 | 4                                | 0.1  | 1                           | 0.2  | 0                                  | .    |
|           | > 70    | 0                                | .    | 0                           | .    | 1                                  | 0.1  |
|           | M*      | 67                               |      | 8                           |      | 3                                  |      |
| 30-34     | < 20    | 117                              | 4.5  | 20                          | 6.2  | 61                                 | 8.0  |
|           | 20      | 2402                             | 92.0 | 288                         | 89.2 | 672                                | 88.4 |
|           | 21 - 40 | 86                               | 3.3  | 14                          | 4.3  | 24                                 | 3.2  |
|           | 41 - 70 | 3                                | 0.1  | 1                           | 0.3  | 3                                  | 0.4  |
|           | > 70    | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|           | M*      | 47                               |      | 4                           |      | 4                                  |      |
| 35-39     | < 20    | 109                              | 4.2  | 17                          | 3.8  | 114                                | 8.9  |
|           | 20      | 2321                             | 88.7 | 389                         | 87.2 | 1096                               | 83.3 |
|           | 21 - 40 | 155                              | 5.9  | 25                          | 5.6  | 82                                 | 6.4  |
|           | 41 - 70 | 23                               | 0.9  | 10                          | 2.2  | 14                                 | 1.1  |
|           | > 70    | 8                                | 0.3  | 5                           | 1.1  | 5                                  | 0.4  |
|           | M*      | 54                               |      | 4                           |      | 4                                  |      |

Table A-18 (Continued).

| Age group | NVR     | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|---------|--------------------|------|----------------|------|-----------------------|------|
|           |         | N                  | %    | N              | %    | N                     | %    |
| 40-44     | < 20    | 46                 | 2.3  | 22             | 3.8  | 107                   | 5.4  |
|           | 20      | 1453               | 72.1 | 406            | 69.6 | 1359                  | 68.1 |
|           | 21 - 40 | 313                | 15.5 | 87             | 14.9 | 315                   | 15.8 |
|           | 41 - 70 | 128                | 6.4  | 43             | 7.4  | 130                   | 6.5  |
|           | > 70    | 74                 | 3.7  | 25             | 4.3  | 86                    | 4.3  |
|           | M*      | 31                 |      | 7              |      | 10                    |      |
| 45-49     | < 20    | 3                  | .6   | 1              | .8   | 6                     | 1.1  |
|           | 20      | 130                | 26.3 | 29             | 22.3 | 153                   | 28.3 |
|           | 21 - 40 | 124                | 25.1 | 39             | 30.0 | 107                   | 19.8 |
|           | 41 - 70 | 100                | 20.2 | 31             | 23.8 | 134                   | 24.8 |
|           | > 70    | 137                | 27.7 | 30             | 23.1 | 141                   | 26.1 |
|           | M*      | 6                  |      | 1              |      | 2                     |      |
| ≥ 50      | < 20    | 0                  | .    | 1              | 1.9  | 1                     | .3   |
|           | 20      | 9                  | 8.0  | 4              | 7.4  | 21                    | 7.1  |
|           | 21 - 40 | 19                 | 16.8 | 10             | 18.5 | 36                    | 12.1 |
|           | 41 - 70 | 22                 | 19.5 | 11             | 20.4 | 69                    | 23.2 |
|           | > 70    | 63                 | 55.8 | 28             | 51.9 | 170                   | 57.2 |
|           | M*      | 0                  |      | 1              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-19.

Male left eye near vision stratified by age group  
and component (N=20,490).

| Age group | NVL**   | <u>Active duty</u><br>(N=12,216) |      | <u>Reserve</u><br>(N=2,179) |      | <u>National Guard</u><br>(N=6,095) |      |
|-----------|---------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|           |         | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24      | < 20    | 37                               | 3.2  | 11                          | 5.6  | 29                                 | 10.4 |
|           | 20      | 1104                             | 95.6 | 184                         | 93.4 | 246                                | 88.2 |
|           | 21 - 40 | 14                               | 1.2  | 2                           | 1.0  | 4                                  | 1.4  |
|           | 41 - 70 | 0                                | .    | 0                           | .    | 0                                  | .    |
|           | > 70    | 0                                | .    | 0                           | .    | 0                                  | .    |
|           | M*      | 22                               |      | 2                           |      | 1                                  |      |
| 25-29     | < 20    | 153                              | 4.7  | 16                          | 3.6  | 94                                 | 10.0 |
|           | 20      | 2998                             | 93.0 | 421                         | 94.4 | 826                                | 88.0 |
|           | 21 - 40 | 65                               | 2.0  | 8                           | 1.8  | 18                                 | 1.9  |
|           | 41 - 70 | 6                                | 0.2  | 1                           | 0.2  | 1                                  | 0.1  |
|           | > 70    | 0                                | .    | 0                           | .    | 0                                  | .    |
|           | M*      | 67                               |      | 9                           |      | 3                                  |      |
| 30-34     | < 20    | 109                              | 4.2  | 17                          | 5.3  | 64                                 | 8.4  |
|           | 20      | 2401                             | 92.0 | 298                         | 92.3 | 664                                | 87.4 |
|           | 21 - 40 | 94                               | 3.6  | 8                           | 2.5  | 29                                 | 3.8  |
|           | 41 - 70 | 3                                | 0.1  | 0                           | .    | 3                                  | 0.4  |
|           | > 70    | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|           | M*      | 48                               |      | 4                           |      | 4                                  |      |
| 35-39     | < 20    | 109                              | 4.2  | 15                          | 3.4  | 112                                | 8.7  |
|           | 20      | 2336                             | 89.4 | 394                         | 88.3 | 1086                               | 83.2 |
|           | 21 - 40 | 130                              | 5.0  | 23                          | 5.2  | 84                                 | 6.5  |
|           | 41 - 70 | 26                               | 1.0  | 12                          | 2.7  | 15                                 | 1.2  |
|           | > 70    | 11                               | 0.4  | 2                           | 0.4  | 5                                  | 0.4  |
|           | M*      | 58                               |      | 4                           |      | 4                                  |      |

Table A-19 (Continued).

| Age group | NVL     | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|---------|--------------------|------|----------------|------|-----------------------|------|
|           |         | N                  | %    | N              | %    | N                     | %    |
| 40-44     | < 20    | 45                 | 2.2  | 19             | 3.3  | 88                    | 4.4  |
|           | 20      | 1473               | 73.2 | 405            | 69.5 | 1387                  | 69.5 |
|           | 21 - 40 | 310                | 15.4 | 94             | 16.1 | 314                   | 15.7 |
|           | 41 - 70 | 119                | 5.9  | 41             | 7.0  | 129                   | 6.5  |
|           | > 70    | 64                 | 3.2  | 24             | 4.1  | 78                    | 3.9  |
|           | M*      | 34                 |      | 7              |      | 11                    |      |
| 45-49     | < 20    | 4                  | .8   | 2              | 1.5  | 6                     | 1.1  |
|           | 20      | 132                | 26.7 | 31             | 23.8 | 159                   | 29.4 |
|           | 21 - 40 | 126                | 25.5 | 35             | 26.9 | 108                   | 20.0 |
|           | 41 - 70 | 94                 | 19.0 | 30             | 23.1 | 122                   | 22.6 |
|           | > 70    | 138                | 27.9 | 32             | 24.6 | 146                   | 27.0 |
|           | M*      | 6                  |      | 1              |      | 2                     |      |
| ≥ 50      | < 20    | 0                  | .    | 1              | 1.9  | 2                     | .7   |
|           | 20      | 12                 | 10.6 | 3              | 5.6  | 19                    | 6.4  |
|           | 21 - 40 | 19                 | 16.8 | 12             | 22.2 | 39                    | 13.2 |
|           | 41 - 70 | 23                 | 20.4 | 12             | 22.2 | 55                    | 18.6 |
|           | > 70    | 59                 | 52.2 | 26             | 48.1 | 181                   | 61.1 |
|           | M*      | 0                  |      | 1              |      | 5                     |      |

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-20.

Female right eye distant vision stratified by age group  
and component (N=471).

| Age group | DVR**   | <u>Active duty</u><br>(N=327) |      | <u>Reserve</u><br>(N=65) |      | <u>National Guard</u><br>(N=79) |      |
|-----------|---------|-------------------------------|------|--------------------------|------|---------------------------------|------|
|           |         | N                             | %    | N                        | %    | N                               | %    |
| ≤ 24      | < 20    | 5                             | 7.4  | 0                        | .    | 0                               | .    |
|           | 20      | 57                            | 83.8 | 6                        | 100  | 5                               | 83.3 |
|           | 21 - 40 | 5                             | 7.4  | 0                        | .    | 1                               | 16.7 |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 1                             | 1.5  | 0                        | .    | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |
| 25-29     | < 20    | 13                            | 7.7  | 3                        | 12.0 | 2                               | 5.9  |
|           | 20      | 132                           | 78.1 | 21                       | 84.0 | 29                              | 85.3 |
|           | 21 - 40 | 17                            | 10.1 | 1                        | 4.0  | 1                               | 2.9  |
|           | 41 - 70 | 7                             | 4.1  | 0                        | .    | 2                               | 5.9  |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |
| 30-34     | < 20    | 5                             | 7.1  | 2                        | 9.5  | 6                               | 24.0 |
|           | 20      | 56                            | 80.0 | 13                       | 61.9 | 15                              | 60.0 |
|           | 21 - 40 | 2                             | 2.9  | 5                        | 23.8 | 3                               | 12.0 |
|           | 41 - 70 | 2                             | 2.9  | 1                        | 4.8  | 0                               | .    |
|           | > 70    | 5                             | 7.1  | 0                        | .    | 1                               | 4.0  |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |
| 35-39     | < 20    | 0                             | .    | 2                        | 18.2 | 1                               | 7.7  |
|           | 20      | 11                            | 78.6 | 8                        | 72.7 | 9                               | 69.2 |
|           | 21 - 40 | 2                             | 14.3 | 0                        | .    | 2                               | 15.4 |
|           | 41 - 70 | 1                             | 7.1  | 1                        | 9.1  | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 1                               | 7.7  |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |

Table A-20 (Continued).

| Age group | OVR     | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |     |
|-----------|---------|--------------------|------|----------------|------|-----------------------|-----|
|           |         | N                  | %    | N              | %    | N                     | %   |
| 40-44     | < 20    | 0                  | .    | 1              | 50.0 | 0                     | .   |
|           | 20      | 3                  | 60.0 | 0              | .    | 1                     | 100 |
|           | 25 - 40 | 0                  | .    | 0              | .    | 0                     | .   |
|           | 45 - 70 | 1                  | 20.0 | 1              | 50.0 | 0                     | .   |
|           | > 70    | 1                  | 20.0 | 0              | .    | 0                     | .   |
|           | M*      | 0                  |      | 0              |      | 0                     |     |
| 45-49     | < 20    | 0                  | .    | None           |      | None                  |     |
|           | 20      | 1                  | 100  |                |      |                       |     |
|           | 21 - 40 | 0                  | .    |                |      |                       |     |
|           | 41 - 70 | 0                  | .    |                |      |                       |     |
|           | > 70    | 0                  | .    |                |      |                       |     |
|           | M*      | 0                  |      |                |      |                       |     |

≥ 50 None

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-21.

Female left eye distant vision stratified by age group  
and component (N=471).

| Age group | DVL**   | <u>Active duty</u><br>(N=327) |      | <u>Reserve</u><br>(N=65) |      | <u>National Guard</u><br>(N=79) |      |
|-----------|---------|-------------------------------|------|--------------------------|------|---------------------------------|------|
|           |         | N                             | %    | N                        | %    | N                               | %    |
| ≤ 24      | < 20    | 3                             | 4.4  | 0                        | .    | 0                               | .    |
|           | 20      | 60                            | 88.2 | 6                        | 100  | 5                               | 83.3 |
|           | 21 - 40 | 4                             | 5.9  | 0                        | .    | 1                               | 16.7 |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 1                             | 1.5  | 0                        | .    | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |
| 25-29     | < 20    | 15                            | 8.9  | 2                        | 8.0  | 2                               | 5.9  |
|           | 20      | 135                           | 79.9 | 23                       | 92.0 | 29                              | 85.3 |
|           | 21 - 40 | 12                            | 7.1  | 0                        | .    | 0                               | .    |
|           | 41 - 70 | 7                             | 4.1  | 0                        | .    | 2                               | 5.9  |
|           | > 70    | 0                             | .    | 0                        | .    | 1                               | 2.9  |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |
| 30-34     | < 20    | 6                             | 8.6  | 1                        | 4.8  | 7                               | 28.0 |
|           | 20      | 52                            | 74.3 | 14                       | 66.7 | 14                              | 56.0 |
|           | 21 - 40 | 6                             | 8.6  | 5                        | 23.8 | 3                               | 12.0 |
|           | 41 - 70 | 2                             | 2.9  | 0                        | .    | 1                               | 4.0  |
|           | > 70    | 4                             | 5.7  | 1                        | 4.8  | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |
| 35-39     | < 20    | 0                             | .    | 1                        | 9.1  | 1                               | 7.7  |
|           | 20      | 12                            | 85.7 | 9                        | 81.8 | 11                              | 84.6 |
|           | 21 - 40 | 1                             | 7.1  | 0                        | .    | 0                               | .    |
|           | 41 - 70 | 1                             | 7.1  | 0                        | .    | 1                               | 7.7  |
|           | > 70    | 0                             | .    | 1                        | 9.1  | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |

Table A-21 (Continued).

| Age group | DVR     | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |     |
|-----------|---------|--------------------|------|----------------|------|-----------------------|-----|
|           |         | N                  | %    | N              | %    | N                     | %   |
| 40-44     | < 20    | 0                  | .    | 1              | 50.0 | 0                     | .   |
|           | 20      | 3                  | 60.0 | 0              | .    | 1                     | 100 |
|           | 25 - 40 | 0                  | .    | 0              | .    | 0                     | .   |
|           | 45 - 70 | 0                  | 40.0 | 0              | .    | 0                     | .   |
|           | > 70    | 2                  | .    | 1              | 50.0 | 0                     | .   |
|           | M*      | 0                  |      | 0              |      | 0                     |     |
| 45-49     | < 20    | 0                  | .    | None           |      | None                  |     |
|           | 20      | 1                  | 100  |                |      |                       |     |
|           | 21 - 40 | 0                  | .    |                |      |                       |     |
|           | 41 - 70 | 0                  | .    |                |      |                       |     |
|           | > 70    | 0                  | .    |                |      |                       |     |
|           | M*      | 0                  |      |                |      |                       |     |

≥ 50 None

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-22.

Female right eye near vision stratified by age group  
and component (N=462).

| Age group | NVR**   | <u>Active duty</u><br>(N=319) |      | <u>Reserve</u><br>(N=64) |      | <u>National Guard</u><br>(N=79) |      |
|-----------|---------|-------------------------------|------|--------------------------|------|---------------------------------|------|
|           |         | N                             | %    | N                        | %    | N                               | %    |
| ≤ 24      | < 20    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | 20      | 64                            | 95.5 | 6                        | 100  | 6                               | 100  |
|           | 21 - 40 | 3                             | 4.5  | 0                        | .    | 0                               | .    |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 1                             |      | 0                        |      | 0                               |      |
| 25-29     | < 20    | 10                            | 6.1  | 1                        | 4.0  | 2                               | 5.9  |
|           | 20      | 148                           | 92.6 | 24                       | 96.0 | 32                              | 94.1 |
|           | 21 - 40 | 6                             | 2.9  | 0                        | .    | 0                               | .    |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 5                             |      | 0                        |      | 0                               |      |
| 30-34     | < 20    | 3                             | 4.4  | 1                        | 4.8  | 4                               | 16.0 |
|           | 20      | 63                            | 92.6 | 19                       | 90.5 | 21                              | 84.0 |
|           | 21 - 40 | 2                             | 2.9  | 1                        | 4.8  | 0                               | .    |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 2                             |      | 0                        |      | 0                               |      |
| 35-39     | < 20    | 1                             | 7.1  | 0                        | .    | 0                               | .    |
|           | 20      | 13                            | 92.9 | 10                       | 90.9 | 11                              | 84.6 |
|           | 21 - 40 | 0                             | .    | 0                        | .    | 2                               | 15.4 |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 1                        | 9.1  | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |

Table A-22 (Continued).

| Age group | NVR     | <u>Active duty</u> |      | <u>Reserve</u> |     | <u>National Guard</u> |     |
|-----------|---------|--------------------|------|----------------|-----|-----------------------|-----|
|           |         | N                  | %    | N              | %   | N                     | %   |
| 40-44     | < 20    | 1                  | 20.0 | 0              | .   | 0                     | .   |
|           | 20      | 2                  | 40.0 | 0              | .   | 0                     | .   |
|           | 21 - 40 | 2                  | 40.0 | 1              | 100 | 0                     | .   |
|           | 41 - 70 | 0                  | .    | 0              | .   | 1                     | 100 |
|           | > 70    | 0                  | .    | 0              | .   | 0                     | .   |
|           | M*      | 0                  |      | 1              |     | 0                     |     |
| 45-49     | < 20    | 0                  | .    | None           |     | None                  |     |
|           | 20      | 0                  | .    |                |     |                       |     |
|           | 21 - 40 | 0                  | .    |                |     |                       |     |
|           | 41 - 70 | 1                  | 100  |                |     |                       |     |
|           | > 70    | 0                  | .    |                |     |                       |     |
|           | M*      | 0                  |      |                |     |                       |     |

≥ 50 None

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-23.

Female left eye near vision stratified by age group  
and component (N=462).

| Age group | NVL**   | <u>Active duty</u><br>(N=319) |      | <u>Reserve</u><br>(N=64) |      | <u>National Guard</u><br>(N=79) |      |
|-----------|---------|-------------------------------|------|--------------------------|------|---------------------------------|------|
|           |         | N                             | %    | N                        | %    | N                               | %    |
| ≤ 24      | < 20    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | 20      | 65                            | 97.0 | 6                        | 100  | 6                               | 100  |
|           | 21 - 40 | 2                             | 3.0  | 0                        | .    | 0                               | .    |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 1                             |      | 0                        |      | 0                               |      |
| 25-29     | < 20    | 10                            | 6.1  | 1                        | 4.0  | 2                               | 5.9  |
|           | 20      | 150                           | 91.5 | 24                       | 96.0 | 32                              | 94.1 |
|           | 21 - 40 | 4                             | 2.4  | 0                        | .    | 0                               | .    |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 5                             |      | 0                        |      | 0                               |      |
| 30-34     | < 20    | 5                             | 7.4  | 0                        | .    | 3                               | 12.0 |
|           | 20      | 60                            | 88.2 | 19                       | 90.5 | 22                              | 88.0 |
|           | 21 - 40 | 3                             | 4.4  | 2                        | 9.5  | 0                               | .    |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 2                             |      | 0                        |      | 0                               |      |
| 35-39     | < 20    | 2                             | 14.3 | 0                        | .    | 0                               | .    |
|           | 20      | 12                            | 85.7 | 10                       | 90.9 | 12                              | 92.3 |
|           | 21 - 40 | 0                             | .    | 1                        | 9.1  | 1                               | 7.7  |
|           | 41 - 70 | 0                             | .    | 0                        | .    | 0                               | .    |
|           | > 70    | 0                             | .    | 0                        | .    | 0                               | .    |
|           | M*      | 0                             |      | 0                        |      | 0                               |      |

Table A-23 (Continued).

| Age group | NVL     | <u>Active duty</u> |      | <u>Reserve</u> |     | <u>National Guard</u> |     |
|-----------|---------|--------------------|------|----------------|-----|-----------------------|-----|
|           |         | N                  | %    | N              | %   | N                     | %   |
| 40-44     | < 20    | 1                  | 20.0 | 0              | .   | 0                     | .   |
|           | 20      | 2                  | 40.0 | 0              | .   | 0                     | .   |
|           | 21 - 40 | 2                  | 40.0 | 1              | 100 | 0                     | .   |
|           | 41 - 70 | 0                  | .    | 0              | .   | 1                     | 100 |
|           | > 70    | 0                  | .    | 0              | .   | 0                     | .   |
|           | M*      | 0                  |      | 1              |     | 0                     |     |
| 45-49     | < 20    | 0                  | .    | None           |     | None                  |     |
|           | 20      | 0                  | .    |                |     |                       |     |
|           | 21 - 40 | 0                  | .    |                |     |                       |     |
|           | 41 - 70 | 1                  | 100  |                |     |                       |     |
|           | > 70    | 0                  | .    |                |     |                       |     |
|           | M*      | 0                  |      |                |     |                       |     |

≥ 50 None

\* Missing (not included in totals or percentages)

\*\* English Snellen linear system

Table A-24.

Male hyperphoria stratified by age group  
and component (N=17,362).

| Age<br>group   | Hyper-<br>phoria** | <u>Active duty</u><br>(N=9,713) |      | <u>Reserve</u><br>(N=2,049) |      | <u>National Guard</u><br>(N=5,600) |      |
|----------------|--------------------|---------------------------------|------|-----------------------------|------|------------------------------------|------|
|                |                    | N                               | %    | N                           | %    | N                                  | %    |
| <hr/>          |                    |                                 |      |                             |      |                                    |      |
| ≤ 24           |                    |                                 |      |                             |      |                                    |      |
| -2.50 to -1.50 |                    | 3                               | 0.4  | 0                           | .    | 1                                  | 0.5  |
| -1.49 to -1.01 |                    | 0                               | .    | 0                           | .    | 0                                  | .    |
| -1.00 to - .51 |                    | 18                              | 2.3  | 3                           | 1.7  | 2                                  | 0.9  |
| - .50 to - .01 |                    | 45                              | 5.8  | 6                           | 3.4  | 15                                 | 7.1  |
| .00 to .01     |                    | 639                             | 81.9 | 149                         | 85.1 | 163                                | 76.9 |
| .02 to .50     |                    | 69                              | 8.8  | 16                          | 9.1  | 25                                 | 11.8 |
| .51 to 1.00    |                    | 6                               | 0.8  | 0                           | .    | 6                                  | 2.8  |
| 1.01 to 1.50   |                    | 4                               | 0.5  | 1                           | 0.6  | 0                                  | .    |
| 1.51 to 2.50   |                    | 0                               | .    | 0                           | .    | 0                                  | .    |
| Missing*       |                    | 393                             |      | 24                          |      | 68                                 |      |
| 25-29          |                    |                                 |      |                             |      |                                    |      |
| -2.50 to -1.50 |                    | 6                               | 0.3  | 2                           | 0.5  | 2                                  | 0.3  |
| -1.49 to -1.01 |                    | 0                               | .    | 0                           | .    | 0                                  | .    |
| -1.00 to - .51 |                    | 33                              | 1.7  | 7                           | 1.8  | 18                                 | 2.5  |
| - .50 to - .01 |                    | 115                             | 5.9  | 19                          | 4.9  | 48                                 | 6.5  |
| .00 to .01     |                    | 1535                            | 79.3 | 319                         | 82.2 | 560                                | 76.3 |
| .02 to .50     |                    | 199                             | 10.3 | 36                          | 9.3  | 93                                 | 12.7 |
| .51 to 1.00    |                    | 40                              | 2.1  | 3                           | 0.8  | 11                                 | 1.5  |
| 1.01 to 1.50   |                    | 7                               | 0.4  | 1                           | 0.3  | 1                                  | 0.1  |
| 1.51 to 2.50   |                    | 1                               | 0.1  | 1                           | 0.3  | 1                                  | 0.1  |
| Missing*       |                    | 1353                            |      | 67                          |      | 208                                |      |
| 30-34          |                    |                                 |      |                             |      |                                    |      |
| -2.50 to -1.50 |                    | 3                               | 0.2  | 2                           | 0.7  | 3                                  | 0.5  |
| -1.49 to -1.01 |                    | 0                               | .    | 0                           | .    | 0                                  | .    |
| -1.00 to - .51 |                    | 42                              | 2.4  | 3                           | 1.0  | 24                                 | 4.0  |
| - .50 to - .01 |                    | 106                             | 6.1  | 24                          | 8.4  | 31                                 | 5.2  |
| .00 to .01     |                    | 1362                            | 78.7 | 230                         | 80.1 | 469                                | 78.6 |
| .02 to .50     |                    | 163                             | 9.4  | 22                          | 7.7  | 62                                 | 10.4 |
| .51 to 1.00    |                    | 39                              | 2.3  | 6                           | 2.1  | 7                                  | 1.2  |
| 1.01 to 1.50   |                    | 14                              | 0.8  | 0                           | .    | 1                                  | 0.2  |
| 1.51 to 2.50   |                    | 2                               | .1   | 0                           | .    | 0                                  | .    |
| Missing*       |                    | 926                             |      | 40                          |      | 167                                |      |

Table A-24 (Continued).

| Age group      | Hyper-phoria** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|----------------|----------------|--------------------|------|----------------|------|-----------------------|------|
|                |                | N                  | %    | N              | %    | N                     | %    |
| 35-39          |                |                    |      |                |      |                       |      |
| -2.50 to -1.50 |                | 4                  | 0.2  | 2              | 0.5  | 6                     | 0.5  |
| -1.49 to -1.01 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.00 to - .51 |                | 67                 | 2.6  | 5              | 1.1  | 30                    | 2.4  |
| - .50 to - .01 |                | 170                | 6.5  | 21             | 4.8  | 77                    | 6.1  |
| .00 to .01     |                | 2069               | 78.9 | 369            | 84.6 | 1017                  | 80.4 |
| .02 to .50     |                | 217                | 8.3  | 34             | 7.8  | 115                   | 9.1  |
| .51 to 1.00    |                | 84                 | 3.2  | 4              | 0.9  | 18                    | 1.4  |
| 1.01 to 1.50   |                | 8                  | 0.3  | 1              | 0.2  | 2                     | 0.2  |
| 1.51 to 2.50   |                | 3                  | 0.1  | 0              | .    | 0                     | .    |
| Missing*       |                | 48                 |      | 14             |      | 29                    |      |
| 40-44          |                |                    |      |                |      |                       |      |
| -2.50 to -1.50 |                | 7                  | 0.3  | 5              | 0.9  | 9                     | 0.5  |
| -1.49 to -1.01 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.00 to - .51 |                | 59                 | 2.9  | 2              | 0.3  | 39                    | 2.0  |
| - .50 to - .01 |                | 96                 | 4.7  | 29             | 5.0  | 117                   | 5.9  |
| .00 to .01     |                | 1625               | 79.9 | 481            | 82.6 | 1535                  | 78.0 |
| .02 to .50     |                | 136                | 6.7  | 56             | 9.6  | 223                   | 11.3 |
| .51 to 1.00    |                | 102                | 5.0  | 9              | 1.5  | 37                    | 1.9  |
| 1.01 to 1.50   |                | 6                  | 0.3  | 0              | .    | 5                     | 0.3  |
| 1.51 to 2.50   |                | 3                  | 0.1  | 0              | .    | 4                     | 0.2  |
| Missing*       |                | 11                 |      | 8              |      | 38                    |      |
| 45-49          |                |                    |      |                |      |                       |      |
| -2.50 to -1.50 |                | 1                  | 0.2  | 0              | .    | 3                     | 0.6  |
| -1.49 to -1.01 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.00 to - .51 |                | 17                 | 3.4  | 2              | 1.6  | 11                    | 2.1  |
| - .50 to - .01 |                | 30                 | 6.1  | 8              | 6.3  | 39                    | 7.3  |
| .00 to .01     |                | 379                | 76.9 | 101            | 79.5 | 425                   | 79.6 |
| .02 to .50     |                | 42                 | 8.5  | 9              | 7.1  | 43                    | 8.1  |
| .51 to 1.00    |                | 22                 | 4.5  | 7              | 5.5  | 12                    | 2.2  |
| 1.01 to 1.50   |                | 1                  | 0.2  | 0              | .    | 0                     | .    |
| 1.51 to 2.50   |                | 1                  | 0.2  | 0              | .    | 1                     | 0.2  |
| Missing*       |                | 7                  |      | 4              |      | 9                     |      |

Table A-24 (Continued).

| Age group | Hyper-phoria** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|----------------|--------------------|------|----------------|------|-----------------------|------|
|           |                | N                  | %    | N              | %    | N                     | %    |
| <hr/>     |                |                    |      |                |      |                       |      |
| > 50      |                |                    |      |                |      |                       |      |
| -2.50 to  | -1.50          | 0                  | .    | 0              | .    | 1                     | 0.3  |
| -1.49 to  | -1.01          | 0                  | .    | 0              | .    | 0                     | .    |
| -1.00 to  | - .51          | 3                  | 2.7  | 3              | 5.6  | 8                     | 2.8  |
| - .50 to  | - .01          | 5                  | 4.4  | 2              | 3.7  | 20                    | 6.9  |
| .00 to    | .01            | 91                 | 80.5 | 45             | 83.3 | 222                   | 76.8 |
| .02 to    | .50            | 11                 | 9.7  | 4              | 7.4  | 24                    | 8.3  |
| .51 to    | 1.00           | 1                  | 0.9  | 0              | .    | 10                    | 3.5  |
| 1.01 to   | 1.50           | 2                  | 1.8  | 0              | .    | 4                     | 1.4  |
| 1.51 to   | 2.50           | 0                  | .    | 0              | .    | 0                     | .    |
| Missing*  |                | 0                  |      | 1              |      | 12                    |      |

\* Missing (not included in totals or percentages)

\*\* Right and left hyperphoria combined into one continuous variable

Table A-25.

Female hyperphoria stratified by age group  
and component (N=330).

| Age group      | Hyper-phoria** | <u>Active duty</u><br>(N=210) |      | <u>Reserve</u><br>(N=58) |      | <u>National Guard</u><br>(N=62) |      |
|----------------|----------------|-------------------------------|------|--------------------------|------|---------------------------------|------|
|                |                | N                             | %    | N                        | %    | N                               | %    |
| <hr/>          |                |                               |      |                          |      |                                 |      |
| ≤ 24           |                |                               |      |                          |      |                                 |      |
| -2.50 to -1.50 |                | 0                             | .    | 0                        | .    | 0                               | .    |
| -1.49 to -1.01 |                | 0                             | .    | 0                        | .    | 0                               | .    |
| -1.00 to - .51 |                | 3                             | 7.1  | 0                        | .    | 1                               | 25.0 |
| - .50 to - .01 |                | 2                             | 4.8  | 0                        | .    | 0                               | .    |
| .00 to .01     |                | 35                            | 83.3 | 5                        | 100  | 3                               | 75.0 |
| .02 to .50     |                | 0                             | .    | 0                        | .    | 0                               | .    |
| .51 to 1.00    |                | 2                             | 4.8  | 0                        | .    | 0                               | .    |
| 1.01 to 1.50   |                | 0                             | .    | 0                        | .    | 0                               | .    |
| 1.51 to 2.50   |                | 0                             | .    | 0                        | .    | 0                               | .    |
| Missing*       |                | 26                            |      | 1                        |      | 2                               |      |
| 25-29          |                |                               |      |                          |      |                                 |      |
| -2.50 to -1.50 |                | 0                             | .    | 0                        | .    | 0                               | .    |
| -1.49 to -1.01 |                | 0                             | .    | 0                        | .    | 0                               | .    |
| -1.00 to - .51 |                | 2                             | 1.9  | 0                        | .    | 0                               | .    |
| - .50 to - .01 |                | 4                             | 3.9  | 1                        | 4.5  | 4                               | 16.0 |
| .00 to .01     |                | 87                            | 84.5 | 20                       | 90.9 | 20                              | 80.0 |
| .02 to .50     |                | 6                             | 5.8  | 1                        | 4.5  | 0                               | .    |
| .51 to 1.00    |                | 4                             | 3.9  | 0                        | .    | 1                               | 4.0  |
| 1.01 to 1.50   |                | 0                             | .    | 0                        | .    | 0                               | .    |
| 1.51 to 2.50   |                | 0                             | .    | 0                        | .    | 0                               | .    |
| Missing*       |                | 66                            |      | 3                        |      | 9                               |      |
| 30-34          |                |                               |      |                          |      |                                 |      |
| -2.50 to -1.50 |                | 0                             | .    | 0                        | .    | 0                               | .    |
| -1.49 to -1.01 |                | 0                             | .    | 0                        | .    | 0                               | .    |
| -1.00 to - .51 |                | 1                             | 2.2  | 0                        | .    | 0                               | .    |
| - .50 to - .01 |                | 3                             | 6.7  | 2                        | 11.1 | 3                               | 15.8 |
| .00 to .01     |                | 38                            | 84.4 | 14                       | 77.8 | 15                              | 78.9 |
| .02 to .50     |                | 1                             | 2.2  | 1                        | 5.6  | 1                               | 5.3  |
| .51 to 1.00    |                | 2                             | 4.4  | 1                        | 5.6  | 0                               | .    |
| 1.01 to 1.50   |                | 0                             | .    | 0                        | .    | 0                               | .    |
| 1.51 to 2.50   |                | 0                             | .    | 0                        | .    | 0                               | .    |
| Missing*       |                | 25                            |      | 3                        |      | 6                               |      |

Table A-25 (Continued).

| Age group      | Hyper-phoria** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|----------------|----------------|--------------------|------|----------------|------|-----------------------|------|
|                |                | N                  | %    | N              | %    | N                     | %    |
| <hr/>          |                |                    |      |                |      |                       |      |
| 35-39          |                |                    |      |                |      |                       |      |
| -2.50 to -1.50 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.49 to -1.01 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.00 to - .51 |                | 0                  | .    | 0              | .    | 0                     | .    |
| - .50 to - .01 |                | 2                  | 14.3 | 0              | .    | 0                     | .    |
| .00 to .01     |                | 11                 | 78.6 | 10             | 90.9 | 11                    | 84.6 |
| .02 to .50     |                | 1                  | 7.1  | 1              | 9.1  | 2                     | 15.4 |
| .51 to 1.00    |                | 0                  | .    | 0              | .    | 0                     | .    |
| 1.01 to 1.50   |                | 0                  | .    | 0              | .    | 0                     | .    |
| 1.51 to 2.50   |                | 0                  | .    | 0              | .    | 0                     | .    |
| Missing*       |                | 0                  |      | 0              |      | 0                     |      |
| 40-44          |                |                    |      |                |      |                       |      |
| -2.50 to -1.50 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.49 to -1.01 |                | 0                  | .    | 0              | .    | 0                     | .    |
| -1.00 to - .51 |                | 0                  | .    | 0              | .    | 0                     | .    |
| - .50 to - .01 |                | 0                  | .    | 0              | .    | 0                     | .    |
| .00 to .01     |                | 4                  | 80.0 | 2              | 100  | 1                     | 100  |
| .02 to .50     |                | 1                  | 20.0 | 0              | .    | 0                     | .    |
| .51 to 1.00    |                | 0                  | .    | 0              | .    | 0                     | .    |
| 1.01 to 1.50   |                | 0                  | .    | 0              | .    | 0                     | .    |
| 1.51 to 2.50   |                | 0                  | .    | 0              | .    | 0                     | .    |
| Missing*       |                | 0                  |      | 0              |      | 0                     |      |
| 45-49          |                |                    |      |                |      |                       |      |
| -2.50 to -1.50 |                | 0                  | .    | None           |      | None                  |      |
| -1.49 to -1.01 |                | 0                  | .    |                |      |                       |      |
| -1.00 to - .51 |                | 0                  | .    |                |      |                       |      |
| - .50 to - .01 |                | 0                  | .    |                |      |                       |      |
| .00 to .01     |                | 1                  | 100  |                |      |                       |      |
| .02 to .50     |                | 0                  | .    |                |      |                       |      |
| .51 to 1.00    |                | 0                  | .    |                |      |                       |      |
| 1.01 to 1.50   |                | 0                  | .    |                |      |                       |      |
| 1.51 to 2.50   |                | 0                  | .    |                |      |                       |      |
| Missing*       |                | 0                  |      |                |      |                       |      |

\* Missing (not included in totals or percentages)

\*\* Right and left hyperphoria combined into one continuous variable

Table A-26.

Male esophoria/exophoria stratified by age group  
and component (N=17,373).

| Age group | Phoria** | Active duty<br>(N=9,727) |      | Reserve<br>(N=2,049) |      | National Guard<br>(N=5,597) |      |
|-----------|----------|--------------------------|------|----------------------|------|-----------------------------|------|
|           |          | N                        | %    | N                    | %    | N                           | %    |
| <hr/>     |          |                          |      |                      |      |                             |      |
| ≤ 24      |          |                          |      |                      |      |                             |      |
|           | ≤ -8     | 2                        | 0.3  | 0                    | .    | 0                           | .    |
|           | -7 to -5 | 5                        | 0.6  | 0                    | .    | 3                           | 1.4  |
|           | -4 to -2 | 163                      | 20.8 | 31                   | 17.7 | 34                          | 16.2 |
|           | -1 to +1 | 537                      | 68.5 | 121                  | 69.1 | 162                         | 77.1 |
|           | +2 to +4 | 73                       | 9.3  | 22                   | 12.6 | 9                           | 4.3  |
|           | +5 to +7 | 4                        | 0.5  | 1                    | 0.6  | 2                           | 1.0  |
|           | ≥ +8     | 0                        | .    | 0                    | .    | 0                           | .    |
|           | M*       | 393                      |      | 24                   |      | 70                          |      |
| 25-29     |          |                          |      |                      |      |                             |      |
|           | ≤ -8     | 5                        | 0.3  | 2                    | 0.5  | 2                           | 0.3  |
|           | -7 to -5 | 21                       | 1.1  | 3                    | 0.8  | 8                           | 1.1  |
|           | -4 to -2 | 370                      | 19.1 | 71                   | 18.3 | 130                         | 17.7 |
|           | -1 to +1 | 1334                     | 68.9 | 276                  | 71.1 | 513                         | 70.0 |
|           | +2 to +4 | 191                      | 9.9  | 35                   | 9.0  | 77                          | 10.5 |
|           | +5 to +7 | 12                       | 0.6  | 1                    | 0.3  | 2                           | 0.3  |
|           | ≥ +8     | 4                        | 0.2  | 0                    | .    | 1                           | 0.1  |
|           | M*       | 1352                     |      | 67                   |      | 209                         |      |
| 30-34     |          |                          |      |                      |      |                             |      |
|           | ≤ -8     | 5                        | 0.3  | 1                    | 0.3  | 0                           | .    |
|           | -7 to -5 | 21                       | 1.2  | 1                    | 0.3  | 6                           | 1.0  |
|           | -4 to -2 | 318                      | 18.3 | 59                   | 20.6 | 125                         | 21.0 |
|           | -1 to +1 | 1209                     | 69.8 | 193                  | 67.5 | 408                         | 68.7 |
|           | +2 to +4 | 160                      | 9.2  | 26                   | 9.1  | 48                          | 8.1  |
|           | +5 to +7 | 18                       | 1.0  | 5                    | 1.7  | 6                           | 1.0  |
|           | ≥ +8     | 2                        | 0.1  | 1                    | 0.3  | 1                           | 0.2  |
|           | M*       | 924                      |      | 41                   |      | 170                         |      |
| 35-39     |          |                          |      |                      |      |                             |      |
|           | ≤ -8     | 4                        | 0.2  | 3                    | 0.7  | 4                           | 0.3  |
|           | -7 to -5 | 28                       | 1.1  | 4                    | 0.9  | 21                          | 1.7  |
|           | -4 to -2 | 567                      | 21.6 | 97                   | 22.2 | 247                         | 19.5 |
|           | -1 to +1 | 1774                     | 67.5 | 295                  | 67.5 | 883                         | 69.6 |
|           | +2 to +4 | 235                      | 8.9  | 35                   | 8.0  | 102                         | 8.0  |
|           | +5 to +7 | 14                       | 0.5  | 1                    | 0.2  | 9                           | 0.7  |
|           | ≥ +8     | 7                        | 0.3  | 2                    | 0.4  | 2                           | 0.2  |
|           | M*       | 41                       |      | 13                   |      | 20                          |      |

Table A-26 (Continued).

| Age group | Phoria** | Active duty |      | Reserve |      | National Guard |      |
|-----------|----------|-------------|------|---------|------|----------------|------|
|           |          | N           | %    | N       | %    | N              | %    |
| <hr/>     |          |             |      |         |      |                |      |
| 40-44     |          |             |      |         |      |                |      |
|           | ≤ -8     | 5           | 0.2  | 2       | 0.3  | 6              | 0.3  |
|           | -7 to -5 | 27          | 1.3  | 11      | 1.9  | 32             | 1.6  |
|           | -4 to -2 | 384         | 18.9 | 147     | 25.2 | 390            | 19.8 |
|           | -1 to +1 | 1408        | 69.2 | 357     | 61.1 | 1350           | 68.5 |
|           | +2 to +4 | 192         | 9.4  | 62      | 10.6 | 168            | 8.5  |
|           | +5 to +7 | 17          | 0.8  | 4       | 0.7  | 23             | 1.2  |
|           | ≥ +8     | 3           | 0.1  | 1       | 0.2  | 2              | 0.1  |
|           | M*       | 9           |      | 6       |      | 36             |      |
| 45-49     |          |             |      |         |      |                |      |
|           | ≤ -8     | 2           | 0.4  | 0       | .    | 1              | 0.2  |
|           | -7 to -5 | 12          | 2.4  | 4       | 3.2  | 11             | 2.1  |
|           | -4 to -2 | 101         | 20.4 | 37      | 29.6 | 132            | 24.9 |
|           | -1 to +1 | 335         | 67.7 | 74      | 59.2 | 323            | 60.8 |
|           | +2 to +4 | 41          | 8.3  | 8       | 6.4  | 58             | 10.9 |
|           | +5 to +7 | 4           | 0.8  | 2       | 1.6  | 5              | 0.9  |
|           | ≥ +8     | 0           | .    | 0       | .    | 1              | 0.2  |
|           | M*       | 5           |      | 6       |      | 12             |      |
| ≥ 50      |          |             |      |         |      |                |      |
|           | ≤ -8     | 1           | 0.9  | 0       | .    | 3              | 1.0  |
|           | -7 to -5 | 1           | 0.9  | 2       | 3.7  | 13             | 4.5  |
|           | -4 to -2 | 31          | 27.4 | 15      | 27.8 | 81             | 27.9 |
|           | -1 to +1 | 71          | 62.8 | 35      | 64.8 | 155            | 53.4 |
|           | +2 to +4 | 9           | 8.0  | 2       | 3.7  | 30             | 10.3 |
|           | +5 to +7 | 0           | .    | 0       | .    | 7              | 2.4  |
|           | ≥ +8     | 0           | .    | 0       | .    | 1              | 0.3  |
|           | M*       | 0           |      | 1       |      | 11             |      |

\* Missing (not included in totals or percentages)

\*\* Esophoria/exophoria combined into one continuous variable

Table A-27.

Female esophoria/exophoria stratified by age group  
and component (N=332).

| Age group | Phoria** | Active duty<br>(N=211) |      | Reserve<br>(N=59) |      | National Guard<br>(N=62) |      |
|-----------|----------|------------------------|------|-------------------|------|--------------------------|------|
|           |          | N                      | %    | N                 | %    | N                        | %    |
| <hr/>     |          |                        |      |                   |      |                          |      |
| ≤ 24      |          |                        |      |                   |      |                          |      |
|           | ≤ -8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | -7 to -5 | 0                      | .    | 0                 | .    | 0                        | .    |
|           | -4 to -2 | 10                     | 23.8 | 0                 | .    | 0                        | .    |
|           | -1 to +1 | 23                     | 69.0 | 5                 | 100  | 4                        | 100  |
|           | +2 to +4 | 3                      | 7.1  | 0                 | .    | 0                        | .    |
|           | +5 to +7 | 0                      | .    | 0                 | .    | 0                        | .    |
|           | ≥ +8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | M*       | 26                     |      | 1                 |      | 2                        |      |
| 25-29     |          |                        |      |                   |      |                          |      |
|           | ≤ -8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | -7 to -5 | 1                      | 1.0  | 0                 | .    | 1                        | 4.0  |
|           | -4 to -2 | 19                     | 18.3 | 3                 | 13.0 | 10                       | 40.0 |
|           | -1 to +1 | 74                     | 71.2 | 19                | 82.6 | 13                       | 52.0 |
|           | +2 to +4 | 10                     | 9.6  | 1                 | 4.3  | 1                        | 4.0  |
|           | +5 to +7 | 0                      | .    | 0                 | .    | 0                        | .    |
|           | ≥ +8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | M*       | 65                     |      | 2                 |      | 9                        |      |
| 30-34     |          |                        |      |                   |      |                          |      |
|           | ≤ -8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | -7 to -5 | 0                      | .    | 0                 | .    | 0                        | .    |
|           | -4 to -2 | 11                     | 24.4 | 4                 | 22.2 | 5                        | 26.3 |
|           | -1 to +1 | 28                     | 62.2 | 13                | 72.2 | 14                       | 73.7 |
|           | +2 to +4 | 5                      | 11.1 | 1                 | 5.6  | 0                        | .    |
|           | +5 to +7 | 1                      | 2.2  | 0                 | .    | 0                        | .    |
|           | ≥ +8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | M*       | 25                     |      | 3                 |      | 6                        |      |
| 35-39     |          |                        |      |                   |      |                          |      |
|           | ≤ -8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | -7 to -5 | 1                      | 7.1  | 0                 | .    | 0                        | .    |
|           | -4 to -2 | 2                      | 14.3 | 2                 | 18.2 | 1                        | 7.7  |
|           | -1 to +1 | 11                     | 78.6 | 7                 | 63.6 | 10                       | 76.9 |
|           | +2 to +4 | 0                      | .    | 2                 | 18.2 | 2                        | 15.4 |
|           | +5 to +7 | 0                      | .    | 0                 | .    | 0                        | .    |
|           | ≥ +8     | 0                      | .    | 0                 | .    | 0                        | .    |
|           | M*       | 0                      |      | 0                 |      | 0                        |      |

Table A-27 (Continued).

| Age group | Phoria*  | <u>Active duty</u> |      | <u>Reserve</u> |     | <u>National Guard</u> |     |
|-----------|----------|--------------------|------|----------------|-----|-----------------------|-----|
|           |          | N                  | %    | N              | %   | N                     | %   |
| <hr/>     |          |                    |      |                |     |                       |     |
| 40-44     |          |                    |      |                |     |                       |     |
|           | ≤ -8     | 0                  | .    | 0              | .   | 0                     | .   |
|           | -7 to -5 | 0                  | .    | 0              | .   | 0                     | .   |
|           | -4 to -2 | 1                  | 20.0 | 0              | .   | 1                     | 100 |
|           | -1 to +1 | 3                  | 60.0 | 2              | 100 | 0                     | .   |
|           | +2 to +4 | 1                  | 20.0 | 0              | .   | 0                     | .   |
|           | +5 to +7 | 0                  | .    | 0              | .   | 0                     | .   |
|           | ≥ +8     | 0                  | .    | 0              | .   | 0                     | .   |
|           | M*       | 0                  |      | 0              |     | 0                     |     |
| 45-49     |          |                    |      |                |     |                       |     |
|           | ≤ -8     | 0                  | .    | None           |     | None                  |     |
|           | -7 to -5 | 0                  | .    |                |     |                       |     |
|           | -4 to -2 | 0                  | .    |                |     |                       |     |
|           | -1 to +1 | 1                  | 100  |                |     |                       |     |
|           | +2 to +4 | 0                  | .    |                |     |                       |     |
|           | +5 to +7 | 0                  | .    |                |     |                       |     |
|           | ≥ +8     | 0                  | .    |                |     |                       |     |
|           | M*       | 0                  |      |                |     |                       |     |
| ≥ 50      |          |                    |      |                |     |                       |     |
|           | None     |                    |      |                |     |                       |     |

\* Missing (not included in totals or percentages)

\*\* Esophoria/exophoria combined into one continuous variable

Table A-28.

Male right ear (500 Hz) stratified by age group  
and component (N=20,762).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,437) |      | <u>Reserve</u><br>(N=2,203) |      | <u>National Guard</u><br>(N=6,122) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1123                             | 95.4 | 189                         | 95.5 | 262                                | 93.6 |
|              | 20-35                    | 54                               | 4.6  | 9                           | 4.5  | 18                                 | 6.4  |
|              | 40-55                    | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 1                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 3149                             | 95.8 | 434                         | 95.6 | 897                                | 95.2 |
|              | 20-35                    | 139                              | 4.2  | 20                          | 4.4  | 45                                 | 4.8  |
|              | 40-55                    | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 1                                |      | 1                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2530                             | 95.4 | 312                         | 95.4 | 728                                | 95.4 |
|              | 20-35                    | 122                              | 4.6  | 14                          | 4.3  | 35                                 | 4.6  |
|              | 40-55                    | 1                                | 0.0  | 1                           | 0.3  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 3                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 2495                             | 93.6 | 419                         | 93.5 | 1213                               | 94.3 |
|              | 20-35                    | 169                              | 6.3  | 27                          | 6.0  | 67                                 | 5.2  |
|              | 40-55                    | 1                                | 0.0  | 2                           | 0.4  | 6                                  | 0.5  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 5                                |      | 2                           |      | 2                                  |      |
| 40-44        | ≤ 15                     | 1894                             | 93.0 | 550                         | 93.4 | 1873                               | 93.5 |
|              | 20-35                    | 139                              | 6.8  | 38                          | 6.5  | 127                                | 6.3  |
|              | 40-55                    | 3                                | 0.1  | 1                           | 0.2  | 4                                  | 0.2  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 9                                |      | 1                           |      | 3                                  |      |

Table A-28 (Continued).

| Age group | Hearing level<br>dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|-----------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                       | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15                  | 470                | 94.4 | 117            | 89.3 | 497                   | 91.9 |
|           | 20-35                 | 26                 | 5.2  | 14             | 10.7 | 44                    | 8.1  |
|           | 40-55                 | 2                  | 0.4  | 0              | .    | 0                     | .    |
|           | ≥ 55                  | 0                  | .    | 0              | .    | 0                     | .    |
|           | M *                   | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15                  | 104                | 92.9 | 50             | 90.9 | 263                   | 88.6 |
|           | 20-35                 | 8                  | 7.1  | 4              | 7.3  | 32                    | 10.8 |
|           | 40-55                 | 0                  | .    | 0              | .    | 2                     | 0.7  |
|           | ≥ 55                  | 0                  | .    | 1              | 1.8  | 0                     | .    |
|           | M *                   | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-29.

Male left ear (500 Hz) stratified by age group  
and component (N=20,762).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,437) |      | <u>Reserve</u><br>(N=2,203) |      | <u>National Guard</u><br>(N=6,122) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1092                             | 92.8 | 188                         | 95.4 | 262                                | 93.6 |
|              | 20-35                    | 84                               | 7.1  | 9                           | 4.6  | 18                                 | 6.4  |
|              | 40-55                    | 1                                | 0.1  | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 2                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 3111                             | 94.6 | 427                         | 94.1 | 888                                | 94.3 |
|              | 20-35                    | 175                              | 5.3  | 26                          | 5.7  | 53                                 | 5.6  |
|              | 40-55                    | 1                                | 0.0  | 0                           | .    | 1                                  | 0.1  |
|              | ≥ 55                     | 0                                | .    | 1                           | 0.2  | 0                                  | .    |
|              | M *                      | 2                                |      | 1                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2517                             | 94.8 | 308                         | 94.2 | 723                                | 94.8 |
|              | 20-35                    | 135                              | 5.1  | 19                          | 5.8  | 40                                 | 5.2  |
|              | 40-55                    | 2                                | 0.1  | 0                           | 0.3  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 2494                             | 93.6 | 413                         | 92.0 | 1205                               | 93.7 |
|              | 20-35                    | 167                              | 6.3  | 34                          | 7.6  | 77                                 | 6.0  |
|              | 40-55                    | 4                                | 0.2  | 2                           | 0.4  | 2                                  | 0.2  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 2                                  | 0.2  |
|              | M *                      | 5                                |      | 1                           |      | 2                                  |      |
| 40-44        | ≤ 15                     | 1888                             | 92.7 | 555                         | 94.2 | 1882                               | 93.9 |
|              | 20-35                    | 139                              | 6.8  | 31                          | 5.3  | 118                                | 5.9  |
|              | 40-55                    | 7                                | 0.3  | 3                           | 0.5  | 5                                  | 0.2  |
|              | ≥ 55                     | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|              | M *                      | 9                                |      | 1                           |      | 2                                  |      |

Table A-29 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 447                | 89.8 | 112            | 85.5 | 497                   | 92.0 |
|           | 20-35              | 46                 | 9.2  | 19             | 14.5 | 43                    | 8.0  |
|           | 40-55              | 5                  | 1.0  | 0              | .    | 0                     | .    |
|           | ≥ 55               | 0                  | .    | 0              | .    | 0                     | .    |
|           | M *                | 2                  |      | 0              |      | 3                     |      |
| > 50      | ≤ 15               | 97                 | 86.6 | 48             | 87.3 | 271                   | 91.2 |
|           | 20-35              | 12                 | 10.7 | 7              | 12.7 | 25                    | 8.4  |
|           | 40-55              | 2                  | 1.8  | 0              | .    | 1                     | 0.3  |
|           | ≥ 55               | 1                  | 0.9  | 0              | .    | 0                     | .    |
|           | M *                | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-30.

Male right ear (1000 Hz) stratified by age group  
and component (N=20,769).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,439) |      | <u>Reserve</u><br>(N=2,207) |      | <u>National Guard</u><br>(N=6,123) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1164                             | 98.9 | 197                         | 99.0 | 278                                | 99.3 |
|              | 20-35                    | 13                               | 1.1  | 2                           | 1.0  | 2                                  | 0.7  |
|              | 40-55                    | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 3229                             | 98.2 | 442                         | 97.1 | 926                                | 98.3 |
|              | 20-35                    | 58                               | 1.8  | 12                          | 2.6  | 16                                 | 1.7  |
|              | 40-55                    | 1                                | 0.0  | 1                           | 0.2  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2580                             | 97.2 | 317                         | 96.9 | 745                                | 97.6 |
|              | 20-35                    | 70                               | 2.6  | 9                           | 2.8  | 18                                 | 2.4  |
|              | 40-55                    | 2                                | 0.1  | 1                           | 0.3  | 0                                  | .    |
|              | ≥ 55                     | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|              | M *                      | 2                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 2585                             | 97.0 | 426                         | 94.9 | 1248                               | 97.0 |
|              | 20-35                    | 78                               | 2.9  | 22                          | 4.9  | 34                                 | 2.6  |
|              | 40-55                    | 2                                | 0.1  | 1                           | 0.2  | 4                                  | 0.3  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 5                                |      | 1                           |      | 2                                  |      |
| 40-44        | ≤ 15                     | 1945                             | 95.5 | 575                         | 97.6 | 1933                               | 96.4 |
|              | 20-35                    | 87                               | 4.3  | 14                          | 2.4  | 67                                 | 3.3  |
|              | 40-55                    | 5                                | 0.2  | 0                           | .    | 5                                  | 0.2  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 8                                |      | 1                           |      | 2                                  |      |

Table A-30 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 468                | 94.0 | 119            | 90.8 | 511                   | 94.5 |
|           | 20-35              | 30                 | 6.0  | 12             | 9.2  | 29                    | 5.4  |
|           | 40-55              | 0                  | .    | 0              | .    | 1                     | 0.2  |
|           | ≥ 55               | 0                  | .    | 0              | .    | 0                     | .    |
|           | M *                | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15               | 97                 | 86.6 | 50             | 90.9 | 272                   | 91.6 |
|           | 20-35              | 14                 | 12.5 | 3              | 5.5  | 23                    | 7.7  |
|           | 40-55              | 1                  | 0.9  | 2              | 3.6  | 2                     | 0.7  |
|           | ≥ 55               | 0                  | .    | 0              | .    | 0                     | .    |
|           | M *                | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-31.

Male left ear (1000 Hz) stratified by age group  
and component (N=20,767).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,438) |      | <u>Reserve</u><br>(N=2,206) |      | <u>National Guard</u><br>(N=6,123) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1150                             | 97.7 | 195                         | 98.0 | 274                                | 97.9 |
|              | 20-35                    | 27                               | 2.3  | 4                           | 2.0  | 6                                  | 2.1  |
|              | 40-55                    | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                | .    | 0                           | .    | 0                                  | .    |
| 25-29        | ≤ 15                     | 3207                             | 97.2 | 441                         | 96.9 | 924                                | 98.1 |
|              | 20-35                    | 79                               | 2.7  | 13                          | 2.9  | 18                                 | 1.9  |
|              | 40-55                    | 2                                | 0.1  | 1                           | 0.2  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 1                                | .    | 0                           | .    | 0                                  | .    |
| 30-34        | ≤ 15                     | 2579                             | 95.5 | 316                         | 96.9 | 734                                | 96.2 |
|              | 20-35                    | 72                               | 2.7  | 10                          | 3.1  | 29                                 | 3.8  |
|              | 40-55                    | 3                                | 0.1  | 1                           | 0.3  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 2                                | .    | 0                           | .    | 1                                  | .    |
| 35-39        | ≤ 15                     | 2546                             | 95.4 | 425                         | 94.7 | 1240                               | 96.4 |
|              | 20-35                    | 113                              | 4.2  | 23                          | 5.1  | 43                                 | 3.3  |
|              | 40-55                    | 6                                | 0.2  | 1                           | 0.2  | 1                                  | 0.1  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 2                                  | 0.2  |
|              | M *                      | 5                                | .    | 1                           | .    | 2                                  | .    |
| 40-44        | ≤ 15                     | 1943                             | 95.4 | 564                         | 95.8 | 1932                               | 96.4 |
|              | 20-35                    | 85                               | 4.2  | 23                          | 3.9  | 67                                 | 3.3  |
|              | 40-55                    | 8                                | 0.4  | 2                           | 0.3  | 4                                  | 0.2  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 2                                  | 0.1  |
|              | M *                      | 9                                | .    | 1                           | .    | 2                                  | .    |

Table A-31 (Continued).

| Age group | Hearing level<br>dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|-----------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                       | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15                  | 468                | 94.0 | 118            | 90.1 | 513                   | 94.8 |
|           | 20-35                 | 25                 | 5.0  | 12             | 9.2  | 28                    | 5.2  |
|           | 40-55                 | 5                  | 1.0  | 1              | 0.8  | 0                     | .    |
|           | ≥ 55                  | 0                  | .    | 0              | .    | 0                     | .    |
|           | M *                   | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15                  | 94                 | 83.9 | 50             | 90.9 | 273                   | 91.9 |
|           | 20-35                 | 13                 | 11.6 | 4              | 7.3  | 22                    | 7.4  |
|           | 40-55                 | 4                  | 3.6  | 1              | 1.8  | 2                     | 0.7  |
|           | ≥ 55                  | 1                  | 0.9  | 0              | .    | 0                     | .    |
|           | M *                   | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-32.

Male right ear (2000 Hz) stratified by age group  
and component (N=20,768).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,439) |      | <u>Reserve</u><br>(N=2,206) |      | <u>National Guard</u><br>(N=6,123) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1150                             | 97.7 | 198                         | 99.5 | 273                                | 97.5 |
|              | 20-35                    | 27                               | 2.3  | 1                           | 0.5  | 7                                  | 2.5  |
|              | 40-55                    | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 3202                             | 97.4 | 446                         | 98.0 | 926                                | 98.3 |
|              | 20-35                    | 84                               | 2.6  | 9                           | 2.0  | 16                                 | 1.7  |
|              | 40-55                    | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 2                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2526                             | 95.2 | 315                         | 96.3 | 734                                | 96.2 |
|              | 20-35                    | 123                              | 4.6  | 12                          | 3.7  | 28                                 | 3.7  |
|              | 40-55                    | 3                                | 0.1  | 0                           | .    | 1                                  | 0.1  |
|              | ≥ 55                     | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|              | M *                      | 2                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 2511                             | 94.2 | 425                         | 94.7 | 1202                               | 93.5 |
|              | 20-35                    | 140                              | 5.3  | 20                          | 4.5  | 77                                 | 6.0  |
|              | 40-55                    | 13                               | 0.5  | 4                           | 0.9  | 7                                  | 0.5  |
|              | ≥ 55                     | 1                                | 0.0  | 0                           | .    | 0                                  | .    |
|              | M *                      | 5                                |      | 1                           |      | 2                                  |      |
| 40-44        | ≤ 15                     | 1852                             | 90.9 | 537                         | 91.2 | 1844                               | 92.0 |
|              | 20-35                    | 160                              | 7.9  | 42                          | 7.1  | 149                                | 7.4  |
|              | 40-55                    | 22                               | 1.1  | 9                           | 1.5  | 10                                 | 0.5  |
|              | ≥ 55                     | 3                                | 0.1  | 1                           | 0.2  | 2                                  | 0.1  |
|              | M *                      | 8                                |      | 1                           |      | 2                                  |      |

Table A-32 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 437                | 87.8 | 110            | 84.0 | 483                   | 89.3 |
|           | 20-35              | 53                 | 10.6 | 20             | 15.3 | 51                    | 9.4  |
|           | 40-55              | 7                  | 1.4  | 1              | 0.8  | 7                     | 1.3  |
|           | ≥ 55               | 1                  | 0.2  | 0              | .    | 0                     | .    |
|           | M *                | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15               | 86                 | 76.8 | 46             | 83.6 | 240                   | 80.8 |
|           | 20-35              | 25                 | 22.3 | 6              | 10.9 | 48                    | 16.2 |
|           | 40-55              | 0                  | .    | 3              | 5.5  | 6                     | 2.0  |
|           | ≥ 55               | 1                  | 0.9  | 0              | .    | 3                     | 1.0  |
|           | M *                | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-33.

Male left ear (2000 Hz) stratified by age group  
and component (N=20,756).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,438) |      | <u>Reserve</u><br>(N=2,206) |      | <u>National Guard</u><br>(N=6,112) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1138                             | 96.7 | 195                         | 98.0 | 274                                | 97.9 |
|              | 20-35                    | 39                               | 3.3  | 4                           | 2.0  | 6                                  | 2.1  |
|              | 40-55                    | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 3172                             | 96.5 | 440                         | 96.7 | 917                                | 97.3 |
|              | 20-35                    | 111                              | 3.4  | 14                          | 3.1  | 25                                 | 2.7  |
|              | 40-55                    | 5                                | 0.2  | 1                           | 0.2  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2457                             | 92.6 | 311                         | 95.1 | 719                                | 94.2 |
|              | 20-35                    | 194                              | 7.3  | 15                          | 4.6  | 44                                 | 5.8  |
|              | 40-55                    | 3                                | 0.1  | 1                           | 0.3  | 0                                  | .    |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 2                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 2399                             | 90.0 | 398                         | 98.6 | 1181                               | 91.9 |
|              | 20-35                    | 246                              | 9.2  | 49                          | 10.9 | 97                                 | 7.5  |
|              | 40-55                    | 16                               | 0.6  | 2                           | 0.4  | 6                                  | 0.5  |
|              | ≥ 55                     | 4                                | 0.2  | 0                           | .    | 1                                  | 0.1  |
|              | M *                      | 5                                |      | 1                           |      | 3                                  |      |
| 40-44        | ≤ 15                     | 1771                             | 87.0 | 525                         | 89.1 | 1785                               | 89.0 |
|              | 20-35                    | 232                              | 11.4 | 49                          | 8.3  | 198                                | 9.9  |
|              | 40-55                    | 28                               | 1.4  | 13                          | 2.2  | 14                                 | 0.7  |
|              | ≥ 55                     | 5                                | 0.2  | 2                           | 0.3  | 8                                  | 0.4  |
|              | M *                      | 9                                |      | 1                           |      | 2                                  |      |

Table A-33 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 407                | 81.7 | 107            | 81.7 | 454                   | 83.9 |
|           | 20-35              | 74                 | 14.9 | 23             | 17.6 | 79                    | 14.6 |
|           | 40-55              | 12                 | 2.4  | 1              | 0.8  | 6                     | 1.1  |
|           | ≥ 55               | 5                  | 1.0  | 0              | .    | 2                     | 0.4  |
|           | M *                | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15               | 76                 | 67.9 | 44             | 80.0 | 226                   | 76.1 |
|           | 20-35              | 27                 | 24.1 | 10             | 18.2 | 55                    | 18.5 |
|           | 40-55              | 7                  | 6.3  | 1              | 1.8  | 13                    | 4.4  |
|           | ≥ 55               | 2                  | 1.8  | 0              | .    | 3                     | 1.0  |
|           | M *                | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-34.

Male right ear (3000 Hz) stratified by age group  
and component (N=20,759).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,435) |      | <u>Reserve</u><br>(N=2,203) |      | <u>National Guard</u><br>(N=6,121) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1129                             | 95.9 | 193                         | 97.0 | 264                                | 94.3 |
|              | 20-35                    | 47                               | 4.0  | 6                           | 3.0  | 15                                 | 5.4  |
|              | 40-55                    | 1                                | 0.1  | 0                           | .    | 1                                  | 0.3  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 3064                             | 93.2 | 438                         | 96.3 | 897                                | 95.2 |
|              | 20-35                    | 208                              | 6.3  | 16                          | 3.5  | 42                                 | 4.5  |
|              | 40-55                    | 14                               | 0.4  | 1                           | 0.2  | 3                                  | 0.3  |
|              | ≥ 55                     | 2                                | 0.1  | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2327                             | 87.7 | 287                         | 87.8 | 689                                | 90.3 |
|              | 20-35                    | 296                              | 11.2 | 33                          | 10.1 | 65                                 | 8.5  |
|              | 40-55                    | 25                               | 0.9  | 4                           | 1.2  | 6                                  | 0.8  |
|              | ≥ 55                     | 6                                | 0.2  | 3                           | 0.9  | 3                                  | 0.4  |
|              | M *                      | 1                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 2147                             | 80.6 | 367                         | 81.9 | 1019                               | 79.2 |
|              | 20-35                    | 411                              | 15.4 | 63                          | 14.1 | 197                                | 15.3 |
|              | 40-55                    | 79                               | 3.0  | 13                          | 2.9  | 55                                 | 4.3  |
|              | ≥ 55                     | 26                               | 1.0  | 5                           | 1.1  | 15                                 | 1.2  |
|              | M *                      | 7                                |      | 2                           |      | 2                                  |      |
| 40-44        | ≤ 15                     | 1432                             | 70.4 | 437                         | 74.2 | 1505                               | 75.1 |
|              | 20-35                    | 421                              | 20.7 | 107                         | 18.2 | 369                                | 18.4 |
|              | 40-55                    | 131                              | 6.4  | 30                          | 5.1  | 99                                 | 4.9  |
|              | ≥ 55                     | 51                               | 2.5  | 15                          | 2.5  | 30                                 | 1.5  |
|              | M *                      | 10                               |      | 1                           |      | 4                                  |      |

Table A-34 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 312                | 62.7 | 85             | 65.4 | 351                   | 64.9 |
|           | 20-35              | 106                | 21.3 | 29             | 22.3 | 139                   | 25.7 |
|           | 40-55              | 57                 | 11.4 | 11             | 8.5  | 38                    | 7.0  |
|           | ≥ 55               | 23                 | 4.6  | 5              | 3.8  | 13                    | 2.4  |
|           | M *                | 2                  |      | 1              |      | 2                     |      |
| > 50      | ≤ 15               | 54                 | 48.2 | 24             | 44.4 | 143                   | 48.1 |
|           | 20-35              | 35                 | 31.3 | 14             | 25.9 | 90                    | 30.3 |
|           | 40-55              | 15                 | 13.4 | 12             | 22.2 | 39                    | 13.1 |
|           | ≥ 55               | 8                  | 7.1  | 4              | 7.4  | 25                    | 8.4  |
|           | M *                | 1                  |      | 1              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-35.

Male left ear (3000 Hz) stratified by age group  
and component (N=20,762).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,436) |      | <u>Reserve</u><br>(N=2,205) |      | <u>National Guard</u><br>(N=6,121) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1092                             | 92.8 | 185                         | 93.0 | 266                                | 95.0 |
|              | 20-35                    | 78                               | 6.6  | 14                          | 7.0  | 13                                 | 4.6  |
|              | 40-55                    | 7                                | 0.6  | 0                           | .    | 1                                  | 0.4  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 0                                  | .    |
|              | M *                      | 0                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 2913                             | 88.6 | 410                         | 90.1 | 859                                | 91.2 |
|              | 20-35                    | 341                              | 10.4 | 44                          | 9.7  | 75                                 | 8.0  |
|              | 40-55                    | 26                               | 0.8  | 1                           | 0.2  | 8                                  | 0.8  |
|              | ≥ 55                     | 8                                | 0.2  | 0                           | .    | 0                                  | .    |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2185                             | 82.3 | 279                         | 85.3 | 635                                | 83.2 |
|              | 20-35                    | 404                              | 15.2 | 37                          | 11.3 | 111                                | 14.5 |
|              | 40-55                    | 58                               | 2.2  | 8                           | 2.4  | 12                                 | 1.6  |
|              | ≥ 55                     | 7                                | 0.3  | 3                           | 0.9  | 5                                  | 0.7  |
|              | M *                      | 2                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 1902                             | 71.4 | 317                         | 70.6 | 930                                | 72.4 |
|              | 20-35                    | 573                              | 21.5 | 105                         | 23.4 | 266                                | 20.7 |
|              | 40-55                    | 138                              | 5.2  | 20                          | 4.5  | 65                                 | 5.1  |
|              | ≥ 55                     | 50                               | 1.9  | 7                           | 1.6  | 24                                 | 1.9  |
|              | M *                      | 7                                |      | 1                           |      | 3                                  |      |
| 40-44        | ≤ 15                     | 1252                             | 61.5 | 398                         | 67.6 | 1290                               | 64.4 |
|              | 20-35                    | 534                              | 26.2 | 124                         | 21.1 | 526                                | 26.2 |
|              | 40-55                    | 178                              | 8.7  | 46                          | 7.8  | 138                                | 6.9  |
|              | ≥ 55                     | 72                               | 3.5  | 21                          | 3.6  | 50                                 | 2.5  |
|              | M *                      | 9                                |      | 1                           |      | 3                                  |      |

Table A-35 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 248                | 49.8 | 72             | 55.0 | 307                   | 56.7 |
|           | 20-35              | 151                | 30.3 | 42             | 32.1 | 157                   | 29.0 |
|           | 40-55              | 65                 | 13.1 | 14             | 10.7 | 60                    | 11.1 |
|           | ≥ 55               | 34                 | 6.8  | 3              | 2.3  | 17                    | 3.1  |
|           | M *                | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15               | 44                 | 39.3 | 28             | 51.9 | 131                   | 44.1 |
|           | 20-35              | 36                 | 32.1 | 16             | 29.6 | 96                    | 32.3 |
|           | 40-55              | 15                 | 13.4 | 6              | 11.1 | 40                    | 13.5 |
|           | ≥ 55               | 17                 | 15.2 | 4              | 7.4  | 30                    | 10.1 |
|           | M *                | 1                  |      | 1              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-36.

Male right ear (4000 Hz) stratified by age group  
and component (N=20,763).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,434) |      | <u>Reserve</u><br>(N=2,206) |      | <u>National Guard</u><br>(N=6,123) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1107                             | 94.2 | 183                         | 92.0 | 256                                | 91.4 |
|              | 20-35                    | 60                               | 5.1  | 11                          | 5.5  | 22                                 | 7.9  |
|              | 40-55                    | 8                                | 0.7  | 4                           | 2.0  | 2                                  | 0.7  |
|              | ≥ 55                     | 0                                | .    | 1                           | 0.5  | 0                                  | .    |
|              | M *                      | 2                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 2916                             | 88.7 | 406                         | 89.2 | 852                                | 90.4 |
|              | 20-35                    | 306                              | 9.3  | 44                          | 9.7  | 70                                 | 7.4  |
|              | 40-55                    | 57                               | 1.7  | 4                           | 0.9  | 20                                 | 2.1  |
|              | ≥ 55                     | 9                                | 0.3  | 1                           | 0.2  | 0                                  | .    |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 2132                             | 80.4 | 269                         | 82.3 | 613                                | 80.3 |
|              | 20-35                    | 416                              | 15.7 | 40                          | 12.2 | 114                                | 14.9 |
|              | 40-55                    | 85                               | 3.2  | 13                          | 4.0  | 30                                 | 3.9  |
|              | ≥ 55                     | 20                               | 0.8  | 5                           | 1.5  | 6                                  | 0.8  |
|              | M *                      | 3                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 1782                             | 66.9 | 298                         | 66.4 | 833                                | 64.8 |
|              | 20-35                    | 599                              | 22.5 | 103                         | 22.9 | 299                                | 23.3 |
|              | 40-55                    | 209                              | 7.0  | 40                          | 8.9  | 99                                 | 7.7  |
|              | ≥ 55                     | 75                               | 2.8  | 8                           | 1.8  | 55                                 | 4.3  |
|              | M *                      | 5                                |      | 1                           |      | 2                                  |      |
| 40-44        | ≤ 15                     | 1071                             | 52.6 | 352                         | 59.8 | 1108                               | 55.3 |
|              | 20-35                    | 576                              | 28.3 | 145                         | 24.6 | 566                                | 28.2 |
|              | 40-55                    | 254                              | 12.5 | 60                          | 10.2 | 234                                | 11.7 |
|              | ≥ 55                     | 134                              | 6.6  | 32                          | 5.4  | 97                                 | 4.8  |
|              | M *                      | 10                               |      | 1                           |      | 2                                  |      |

Table A-36 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 216                | 43.4 | 63             | 48.1 | 248                   | 45.8 |
|           | 20-35              | 143                | 28.7 | 35             | 26.7 | 166                   | 30.7 |
|           | 40-55              | 88                 | 17.7 | 22             | 16.8 | 88                    | 16.3 |
|           | ≥ 55               | 51                 | 10.2 | 11             | 8.4  | 39                    | 7.2  |
|           | M *                | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15               | 37                 | 33.0 | 16             | 29.1 | 102                   | 34.3 |
|           | 20-35              | 38                 | 33.9 | 19             | 34.5 | 85                    | 28.6 |
|           | 40-55              | 23                 | 20.5 | 9              | 16.4 | 60                    | 20.2 |
|           | ≥ 55               | 14                 | 12.5 | 11             | 20.0 | 50                    | 16.8 |
|           | M *                | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-37.

Male left ear (4000 Hz) stratified by age group  
and component (N=20,763).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,436) |      | <u>Reserve</u><br>(N=2,206) |      | <u>National Guard</u><br>(N=6,121) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 1075                             | 91.4 | 175                         | 87.9 | 247                                | 91.4 |
|              | 20-35                    | 85                               | 7.2  | 24                          | 12.1 | 29                                 | 7.9  |
|              | 40-55                    | 16                               | 1.4  | 0                           | .    | 3                                  | 0.7  |
|              | ≥ 55                     | 0                                | .    | 0                           | .    | 1                                  | .    |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 2759                             | 83.9 | 363                         | 79.8 | 799                                | 88.2 |
|              | 20-35                    | 432                              | 13.1 | 82                          | 18.0 | 120                                | 10.4 |
|              | 40-55                    | 82                               | 2.5  | 9                           | 2.0  | 22                                 | 1.1  |
|              | ≥ 55                     | 15                               | 0.5  | 1                           | 0.2  | 1                                  | 0.4  |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 1973                             | 74.3 | 243                         | 74.3 | 572                                | 84.8 |
|              | 20-35                    | 505                              | 19.0 | 58                          | 17.7 | 146                                | 12.7 |
|              | 40-55                    | 139                              | 5.2  | 20                          | 6.1  | 33                                 | 2.3  |
|              | ≥ 55                     | 37                               | 1.4  | 6                           | 1.8  | 12                                 | 0.1  |
|              | M *                      | 2                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 1551                             | 58.2 | 252                         | 56.1 | 751                                | 58.4 |
|              | 20-35                    | 726                              | 27.3 | 126                         | 28.1 | 343                                | 26.7 |
|              | 40-55                    | 258                              | 9.7  | 54                          | 12.0 | 133                                | 10.4 |
|              | ≤ 55                     | 129                              | 4.8  | 17                          | 3.8  | 58                                 | 4.5  |
|              | M *                      | 6                                |      | 1                           |      | 3                                  |      |
| 40-44        | ≤ 15                     | 894                              | 43.9 | 283                         | 48.0 | 925                                | 46.1 |
|              | 20-35                    | 667                              | 32.8 | 186                         | 31.6 | 656                                | 32.7 |
|              | 40-55                    | 324                              | 15.9 | 72                          | 12.2 | 304                                | 15.2 |
|              | ≥ 55                     | 151                              | 7.4  | 48                          | 8.1  | 120                                | 6.0  |
|              | M *                      | 9                                |      | 1                           |      | 2                                  |      |

Table A-37 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 171                | 34.3 | 41             | 31.3 | 211                   | 39.1 |
|           | 20-35              | 154                | 30.9 | 48             | 36.6 | 182                   | 33.7 |
|           | 40-55              | 101                | 20.3 | 34             | 26.0 | 100                   | 18.5 |
|           | ≥ 55               | 72                 | 14.5 | 8              | 6.1  | 47                    | 8.7  |
|           | M *                | 2                  |      | 0              |      | 3                     |      |
| > 50      | ≤ 15               | 25                 | 22.3 | 14             | 25.5 | 75                    | 25.3 |
|           | 20-35              | 36                 | 32.1 | 20             | 36.4 | 105                   | 35.4 |
|           | 40-55              | 30                 | 26.8 | 10             | 18.2 | 70                    | 23.6 |
|           | ≥ 55               | 21                 | 18.8 | 11             | 20.0 | 47                    | 15.8 |
|           | M *                | 1                  |      | 0              |      | 4                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-38.

Male right ear (6000 Hz) stratified by age group  
and component (N=20,747).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,430) |      | <u>Reserve</u><br>(N=2,204) |      | <u>National Guard</u><br>(N=6,113) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 814                              | 69.2 | 143                         | 71.9 | 214                                | 76.4 |
|              | 20-35                    | 321                              | 27.3 | 50                          | 25.1 | 61                                 | 21.8 |
|              | 40-55                    | 36                               | 3.1  | 4                           | 2.0  | 4                                  | 1.4  |
|              | ≥ 55                     | 5                                | 0.4  | 2                           | 1.0  | 1                                  | 0.4  |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 2133                             | 64.9 | 317                         | 69.7 | 710                                | 75.4 |
|              | 20-35                    | 983                              | 29.9 | 117                         | 25.7 | 200                                | 21.2 |
|              | 40-55                    | 142                              | 4.3  | 19                          | 4.2  | 26                                 | 2.8  |
|              | ≥ 55                     | 30                               | 0.9  | 2                           | 0.4  | 6                                  | 0.6  |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 1495                             | 56.4 | 198                         | 60.6 | 515                                | 67.5 |
|              | 20-35                    | 910                              | 34.3 | 90                          | 25.7 | 191                                | 25.0 |
|              | 40-55                    | 189                              | 7.1  | 22                          | 6.7  | 38                                 | 5.0  |
|              | ≥ 55                     | 59                               | 2.2  | 17                          | 5.2  | 19                                 | 2.5  |
|              | M *                      | 3                                |      | 0                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 1191                             | 44.8 | 234                         | 52.2 | 668                                | 52.0 |
|              | 20-35                    | 1006                             | 37.8 | 142                         | 31.7 | 433                                | 33.7 |
|              | 40-55                    | 291                              | 10.9 | 48                          | 10.7 | 101                                | 7.9  |
|              | ≥ 55                     | 173                              | 6.5  | 24                          | 5.4  | 82                                 | 6.4  |
|              | M *                      | 9                                |      | 2                           |      | 4                                  |      |
| 40-44        | ≤ 15                     | 725                              | 35.6 | 256                         | 43.3 | 871                                | 43.6 |
|              | 20-35                    | 746                              | 36.7 | 209                         | 35.5 | 751                                | 37.6 |
|              | 40-55                    | 311                              | 15.3 | 73                          | 12.4 | 232                                | 11.6 |
|              | ≥ 55                     | 252                              | 12.4 | 51                          | 8.7  | 144                                | 7.2  |
|              | M *                      | 11                               |      | 1                           |      | 9                                  |      |

Table A-38 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 124                | 24.9 | 35             | 26.7 | 176                   | 32.5 |
|           | 20-35              | 187                | 37.6 | 57             | 43.5 | 205                   | 37.9 |
|           | 40-55              | 95                 | 19.1 | 21             | 16.0 | 93                    | 17.2 |
|           | ≥ 55               | 92                 | 18.5 | 18             | 13.7 | 67                    | 12.4 |
|           | M *                | 2                  |      | 0              |      | 2                     |      |
| > 50      | ≤ 15               | 25                 | 22.3 | 12             | 22.2 | 63                    | 21.3 |
|           | 20-35              | 33                 | 29.5 | 19             | 35.2 | 97                    | 32.8 |
|           | 40-55              | 30                 | 26.8 | 12             | 22.2 | 76                    | 25.7 |
|           | ≥ 55               | 24                 | 21.4 | 11             | 20.4 | 60                    | 20.3 |
|           | M *                | 1                  |      | 1              |      | 5                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-39.

Male left ear (6000 Hz) stratified by age group  
and component (N=20,737).

| Age<br>group | Hearing<br>level<br>dB** | <u>Active duty</u><br>(N=12,425) |      | <u>Reserve</u><br>(N=2,203) |      | <u>National Guard</u><br>(N=6,109) |      |
|--------------|--------------------------|----------------------------------|------|-----------------------------|------|------------------------------------|------|
|              |                          | N                                | %    | N                           | %    | N                                  | %    |
| ≤ 24         | ≤ 15                     | 730                              | 62.1 | 135                         | 67.8 | 214                                | 76.4 |
|              | 20-35                    | 383                              | 32.6 | 54                          | 27.1 | 56                                 | 20.0 |
|              | 40-55                    | 54                               | 4.6  | 9                           | 4.5  | 10                                 | 3.6  |
|              | ≥ 55                     | 9                                | 0.8  | 1                           | 0.5  | 0                                  | .    |
|              | M *                      | 1                                |      | 0                           |      | 0                                  |      |
| 25-29        | ≤ 15                     | 1846                             | 56.2 | 261                         | 57.4 | 645                                | 68.5 |
|              | 20-35                    | 1154                             | 35.1 | 159                         | 34.9 | 247                                | 26.2 |
|              | 40-55                    | 231                              | 7.0  | 24                          | 5.3  | 44                                 | 4.7  |
|              | ≥ 55                     | 55                               | 1.7  | 11                          | 2.4  | 6                                  | 0.6  |
|              | M *                      | 3                                |      | 0                           |      | 0                                  |      |
| 30-34        | ≤ 15                     | 1296                             | 48.8 | 171                         | 52.5 | 464                                | 60.8 |
|              | 20-35                    | 1011                             | 38.1 | 116                         | 35.6 | 211                                | 27.7 |
|              | 40-55                    | 249                              | 9.4  | 28                          | 8.6  | 58                                 | 7.6  |
|              | ≥ 55                     | 98                               | 3.7  | 11                          | 3.4  | 30                                 | 3.9  |
|              | M *                      | 2                                |      | 1                           |      | 1                                  |      |
| 35-39        | ≤ 15                     | 993                              | 37.3 | 171                         | 38.2 | 589                                | 46.0 |
|              | 20-35                    | 1074                             | 40.4 | 182                         | 40.6 | 460                                | 35.9 |
|              | 40-55                    | 377                              | 14.2 | 53                          | 11.8 | 141                                | 11.0 |
|              | ≥ 55                     | 216                              | 8.1  | 42                          | 9.4  | 91                                 | 7.1  |
|              | M *                      | 10                               |      | 2                           |      | 7                                  |      |
| 40-44        | ≤ 15                     | 615                              | 30.3 | 198                         | 33.6 | 756                                | 37.8 |
|              | 20-35                    | 765                              | 37.6 | 243                         | 41.3 | 741                                | 37.1 |
|              | 40-55                    | 365                              | 18.0 | 83                          | 14.1 | 301                                | 15.1 |
|              | ≥ 55                     | 287                              | 14.1 | 65                          | 11.0 | 201                                | 10.1 |
|              | M *                      | 13                               |      | 1                           |      | 8                                  |      |

Table A-39 (Continued).

| Age group | Hearing level dB** | <u>Active duty</u> |      | <u>Reserve</u> |      | <u>National Guard</u> |      |
|-----------|--------------------|--------------------|------|----------------|------|-----------------------|------|
|           |                    | N                  | %    | N              | %    | N                     | %    |
| 45-49     | ≤ 15               | 108                | 21.7 | 27             | 20.6 | 168                   | 31.1 |
|           | 20-35              | 174                | 34.9 | 58             | 44.3 | 193                   | 35.7 |
|           | 40-55              | 108                | 21.7 | 25             | 19.1 | 105                   | 19.4 |
|           | ≥ 55               | 108                | 21.7 | 21             | 16.0 | 74                    | 13.7 |
|           | M *                | 2                  |      | 0              |      | 3                     |      |
| > 50      | ≤ 15               | 11                 | 9.9  | 11             | 20.4 | 55                    | 18.6 |
|           | 20-35              | 37                 | 33.3 | 19             | 35.2 | 103                   | 34.9 |
|           | 40-55              | 31                 | 27.9 | 11             | 20.4 | 70                    | 23.7 |
|           | ≥ 55               | 32                 | 28.8 | 13             | 24.1 | 67                    | 22.7 |
|           | M *                | 2                  |      | 1              |      | 6                     |      |

\* Missing (not included in totals or percentages)

\*\* Decibels

Table A-40.

Female right ear (500 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 25-29     | ≤ 15                   | 219                                | 96.1 |
|           | 20-35                  | 8                                  | 3.5  |
|           | 40-55                  | 1                                  | 0.4  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 30-34     | ≤ 15                   | 112                                | 96.6 |
|           | 20-35                  | 4                                  | 3.4  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 35-39     | ≤ 15                   | 36                                 | 94.7 |
|           | 20-35                  | 2                                  | 5.3  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | 100  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |

Table A-40 (Continued).

|           |                        | <u>All components**</u> |     |
|-----------|------------------------|-------------------------|-----|
| Age group | Hearing level<br>dB*** | N                       | %   |
| 45-49     | ≤ 15                   | 1                       | 100 |
|           | 20-35                  | 0                       | .   |
|           | 40-55                  | 0                       | .   |
|           | ≥ 55                   | 0                       | .   |
|           | M *                    | 0                       |     |
| 50 ≥      | ≤ 15                   | None                    |     |
|           | 20-35                  |                         |     |
|           | 40-55                  |                         |     |
|           | ≥ 55                   |                         |     |

\* Missing (not included in totals or percentages)

\*\* Includes active duty, reserve, and National Guard

\*\*\* Decibels

Table A-41.

Female left ear (500 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 75                                 | 93.8 |
|           | 20-35                  | 5                                  | 6.3  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 213                                | 93.4 |
|           | 20-35                  | 15                                 | 6.6  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 110                                | 94.8 |
|           | 20-35                  | 6                                  | 5.2  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 36                                 | 94.7 |
|           | 20-35                  | 2                                  | 5.3  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-41 (Continued).

|                                                      |                        | <u>All components**</u> |     |
|------------------------------------------------------|------------------------|-------------------------|-----|
| Age group                                            | Hearing level<br>dB*** | N                       | %   |
| 45-49                                                | ≤ 15                   | 1                       | 100 |
|                                                      | 20-35                  | 0                       | .   |
|                                                      | 40-55                  | 0                       | .   |
|                                                      | ≥ 55                   | 0                       | .   |
|                                                      | M *                    | 0                       |     |
| 50 ≥                                                 | ≤ 15                   | None                    |     |
|                                                      | 20-35                  |                         |     |
|                                                      | 40-55                  |                         |     |
|                                                      | ≥ 55                   |                         |     |
| * Missing (not included in totals or percentages)    |                        |                         |     |
| ** Includes active duty, reserve, and National Guard |                        |                         |     |
| *** Decibels                                         |                        |                         |     |

Table A-42.

Female right ear (1000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 227                                | 99.6 |
|           | 20-35                  | 1                                  | 0.4  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 113                                | 97.4 |
|           | 20-35                  | 3                                  | 2.6  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 35                                 | 92.1 |
|           | 20-35                  | 3                                  | 7.9  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-42 (Continued).

|           |                     | <u>All components**</u> |     |
|-----------|---------------------|-------------------------|-----|
| Age group | Hearing level dB*** | N                       | %   |
| 45-49     | ≤ 15                | 1                       | 100 |
|           | 20-35               | 0                       | .   |
|           | 40-55               | 0                       | .   |
|           | ≥ 55                | 0                       | .   |
|           | M *                 | 0                       |     |
| 50 ≥      | ≤ 15                | None                    |     |
|           | 20-35               |                         |     |
|           | 40-55               |                         |     |
|           | ≥ 55                |                         |     |

\* Missing (not included in totals or percentages)

\*\* Includes active duty, reserve, and National Guard

\*\*\* Decibels

Table A-43.

Female left ear (1000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 226                                | 99.1 |
|           | 20-35                  | 2                                  | 0.9  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 114                                | 98.3 |
|           | 20-35                  | 2                                  | 1.7  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 35                                 | 92.1 |
|           | 20-35                  | 3                                  | 7.9  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-43 (Continued).

|                                                      |                        | <u>All components**</u> |     |
|------------------------------------------------------|------------------------|-------------------------|-----|
| Age group                                            | Hearing level<br>dB*** | N                       | %   |
| 45-49                                                | ≤ 15                   | 1                       | 100 |
|                                                      | 20-35                  | 0                       | .   |
|                                                      | 40-55                  | 0                       | .   |
|                                                      | ≥ 55                   | 0                       | .   |
|                                                      | M *                    | 0                       |     |
| 50 ≥                                                 | ≤ 15                   | None                    |     |
|                                                      | 20-35                  |                         |     |
|                                                      | 40-55                  |                         |     |
|                                                      | ≥ 55                   |                         |     |
| * Missing (not included in totals or percentages)    |                        |                         |     |
| ** Includes active duty, reserve, and National Guard |                        |                         |     |
| *** Decibels                                         |                        |                         |     |

Table A-44.

Female right ear (2000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 25-29     | ≤ 15                   | 220                                | 96.5 |
|           | 20-35                  | 8                                  | 3.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 30-34     | ≤ 15                   | 113                                | 97.4 |
|           | 20-35                  | 3                                  | 2.6  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 35-39     | ≤ 15                   | 37                                 | 97.4 |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 1                                  | 2.6  |
|           | M *                    | 0                                  | .    |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |

Table A-44 (Continued).

| Age group                                            | Hearing level<br>dB*** | <u>All components**</u> |     |
|------------------------------------------------------|------------------------|-------------------------|-----|
|                                                      |                        | N                       | %   |
| 45-49                                                | ≤ 15                   | 1                       | 100 |
|                                                      | 20-35                  | 0                       | .   |
|                                                      | 40-55                  | 0                       | .   |
|                                                      | ≥ 55                   | 0                       | .   |
|                                                      | M *                    | 0                       |     |
| 50 ≥                                                 | ≤ 15                   | None                    |     |
|                                                      | 20-35                  |                         |     |
|                                                      | 40-55                  |                         |     |
|                                                      | ≥ 55                   |                         |     |
| * Missing (not included in totals or percentages)    |                        |                         |     |
| ** Includes active duty, reserve, and National Guard |                        |                         |     |
| *** Decibels                                         |                        |                         |     |

Table A-45.

Female left ear (2000 Hz) stratified by age group.

| Age group | Hearing level dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|---------------------|------------------------------------|------|
|           |                     | N                                  | %    |
| ≤ 24      | ≤ 15                | 79                                 | 98.8 |
|           | 20-35               | 1                                  | 1.3  |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 25-29     | ≤ 15                | 224                                | 98.2 |
|           | 20-35               | 4                                  | 1.8  |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 30-34     | ≤ 15                | 111                                | 95.7 |
|           | 20-35               | 5                                  | 4.3  |
|           | 40-55               | 1                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 35-39     | ≤ 15                | 35                                 | 92.1 |
|           | 20-35               | 2                                  | 5.3  |
|           | 40-55               | 1                                  | 2.6  |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 40-44     | ≤ 15                | 8                                  | 100  |
|           | 20-35               | 0                                  | .    |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |

Table A-45 (Continued).

| Age<br>group                                         | Hearing<br>level<br>dB*** | <u>All components**</u> |     |
|------------------------------------------------------|---------------------------|-------------------------|-----|
|                                                      |                           | N                       | %   |
| 45-49                                                | ≤ 15                      | 1                       | 100 |
|                                                      | 20-35                     | 0                       | .   |
|                                                      | 40-55                     | 0                       | .   |
|                                                      | ≥ 55                      | 0                       | .   |
|                                                      | M *                       | 0                       |     |
| 50 ≥                                                 | ≤ 15                      | None                    |     |
|                                                      | 20-35                     |                         |     |
|                                                      | 40-55                     |                         |     |
|                                                      | ≥ 55                      |                         |     |
| * Missing (not included in totals or percentages)    |                           |                         |     |
| ** Includes active duty, reserve, and National Guard |                           |                         |     |
| *** Decibels                                         |                           |                         |     |

Table A-46.

Female right ear (3000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 25-29     | ≤ 15                   | 222                                | 97.4 |
|           | 20-35                  | 6                                  | 2.6  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 30-34     | ≤ 15                   | 113                                | 97.4 |
|           | 20-35                  | 2                                  | 1.7  |
|           | 40-55                  | 1                                  | 0.9  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 35-39     | ≤ 15                   | 37                                 | 97.4 |
|           | 20-35                  | 1                                  | 2.6  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  | .    |

Table A-46 (Continued).

|                                                      |                     | <u>All components**</u> |     |
|------------------------------------------------------|---------------------|-------------------------|-----|
| Age group                                            | Hearing level dB*** | N                       | %   |
| 45-49                                                | ≤ 15                | 1                       | 100 |
|                                                      | 20-35               | 0                       | .   |
|                                                      | 40-55               | 0                       | .   |
|                                                      | ≥ 55                | 0                       | .   |
|                                                      | M *                 | 0                       |     |
| 50 ≥                                                 | ≤ 15                | None                    |     |
|                                                      | 20-35               |                         |     |
|                                                      | 40-55               |                         |     |
|                                                      | ≥ 55                |                         |     |
| * Missing (not included in totals or percentages)    |                     |                         |     |
| ** Includes active duty, reserve, and National Guard |                     |                         |     |
| *** Decibels                                         |                     |                         |     |

Table A-47.

Female left ear (3000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 219                                | 96.1 |
|           | 20-35                  | 9                                  | 3.9  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 112                                | 96.6 |
|           | 20-35                  | 4                                  | 3.4  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 34                                 | 89.5 |
|           | 20-35                  | 4                                  | 10.5 |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 7                                  | 87.5 |
|           | 20-35                  | 1                                  | 12.5 |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-47 (Continued).

|           |                        | <u>All components**</u> |     |
|-----------|------------------------|-------------------------|-----|
| Age group | Hearing level<br>dB*** | N                       | %   |
| 45-49     | ≤ 15                   | 0                       | .   |
|           | 20-35                  | 1                       | 100 |
|           | 40-55                  | 0                       | .   |
|           | ≥ 55                   | 0                       | .   |
|           | M *                    | 0                       |     |
| 50 ≥      | ≤ 15                   | None                    |     |
|           | 20-35                  |                         |     |
|           | 40-55                  |                         |     |
|           | ≥ 55                   |                         |     |

\* Missing (not included in totals or percentages)

\*\* Includes active duty, reserve, and National Guard

\*\*\* Decibels

Table A-48.

Female right ear (4000 Hz) stratified by age group.

| Age group | Hearing level dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|---------------------|------------------------------------|------|
|           |                     | N                                  | %    |
| ≤ 24      | ≤ 15                | 78                                 | 97.5 |
|           | 20-35               | 2                                  | 2.5  |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 25-29     | ≤ 15                | 219                                | 96.1 |
|           | 20-35               | 9                                  | 3.9  |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 30-34     | ≤ 15                | 112                                | 96.6 |
|           | 20-35               | 4                                  | 3.4  |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 35-39     | ≤ 15                | 34                                 | 89.5 |
|           | 20-35               | 4                                  | 10.5 |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |
| 40-44     | ≤ 15                | 8                                  | 100  |
|           | 20-35               | 0                                  | .    |
|           | 40-55               | 0                                  | .    |
|           | ≥ 55                | 0                                  | .    |
|           | M *                 | 0                                  | .    |

Table A-48 (Continued).

|           |                        | <u>All components**</u> |     |
|-----------|------------------------|-------------------------|-----|
| Age group | Hearing level<br>dB*** | N                       | %   |
| 45-49     | ≤ 15                   | 1                       | 100 |
|           | 20-35                  | 0                       | .   |
|           | 40-55                  | 0                       | .   |
|           | ≥ 55                   | 0                       | .   |
|           | M *                    | 0                       |     |
| 50 ≥      | ≤ 15                   | None                    |     |
|           | 20-35                  |                         |     |
|           | 40-55                  |                         |     |
|           | ≥ 55                   |                         |     |

\* Missing (not included in totals or percentages)

\*\* Includes active duty, reserve, and National Guard

\*\*\* Decibels

Table A-49.

Female left ear (4000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 78                                 | 97.5 |
|           | 20-35                  | 2                                  | 2.5  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 206                                | 90.4 |
|           | 20-35                  | 22                                 | 9.6  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 110                                | 94.8 |
|           | 20-35                  | 6                                  | 5.2  |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 34                                 | 89.5 |
|           | 20-35                  | 4                                  | 10.5 |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 8                                  | 100  |
|           | 20-35                  | 0                                  | .    |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-49 (Continued).

|           |                        | <u>All components**</u> |     |
|-----------|------------------------|-------------------------|-----|
| Age group | Hearing level<br>dB*** | N                       | %   |
| 45-49     | ≤ 15                   | 1                       | 100 |
|           | 20-35                  | 0                       | .   |
|           | 40-55                  | 0                       | .   |
|           | ≥ 55                   | 0                       | .   |
|           | M *                    | 0                       |     |
| 50 ≥      | ≤ 15                   | None                    |     |
|           | 20-35                  |                         |     |
|           | 40-55                  |                         |     |
|           | ≥ 55                   |                         |     |

\* Missing (not included in totals or percentages)

\*\* Includes active duty, reserve, and National Guard

\*\*\* Decibels

Table A-50.

Female right ear (6000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 57                                 | 71.3 |
|           | 20-35                  | 22                                 | 27.5 |
|           | 40-55                  | 1                                  | 1.3  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 168                                | 73.7 |
|           | 20-35                  | 54                                 | 23.7 |
|           | 40-55                  | 6                                  | 2.6  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 81                                 | 69.8 |
|           | 20-35                  | 35                                 | 30.2 |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 26                                 | 68.4 |
|           | 20-35                  | 12                                 | 31.6 |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 6                                  | 75.0 |
|           | 20-35                  | 1                                  | 12.5 |
|           | 40-55                  | 1                                  | 12.5 |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-50 (Continued).

| Age group                                            | Hearing level<br>dB*** | <u>All components**</u> |     |
|------------------------------------------------------|------------------------|-------------------------|-----|
|                                                      |                        | N                       | %   |
| 45-49                                                | ≤ 15                   | 1                       | 100 |
|                                                      | 20-35                  | 0                       | .   |
|                                                      | 40-55                  | 0                       | .   |
|                                                      | ≥ 55                   | 0                       | .   |
|                                                      | M *                    | 0                       |     |
| 50 ≥                                                 | ≤ 15                   | None                    |     |
|                                                      | 20-35                  |                         |     |
|                                                      | 40-55                  |                         |     |
|                                                      | ≥ 55                   |                         |     |
| * Missing (not included in totals or percentages)    |                        |                         |     |
| ** Includes active duty, reserve, and National Guard |                        |                         |     |
| *** Decibels                                         |                        |                         |     |

Table A-51.

Female left ear (6000 Hz) stratified by age group.

| Age group | Hearing level<br>dB*** | <u>All components**</u><br>(N=471) |      |
|-----------|------------------------|------------------------------------|------|
|           |                        | N                                  | %    |
| ≤ 24      | ≤ 15                   | 56                                 | 70.0 |
|           | 20-35                  | 22                                 | 27.5 |
|           | 40-55                  | 2                                  | 2.5  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 25-29     | ≤ 15                   | 150                                | 65.8 |
|           | 20-35                  | 69                                 | 30.3 |
|           | 40-55                  | 9                                  | 3.9  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 30-34     | ≤ 15                   | 76                                 | 65.5 |
|           | 20-35                  | 36                                 | 31.0 |
|           | 40-55                  | 4                                  | 3.4  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 35-39     | ≤ 15                   | 23                                 | 60.5 |
|           | 20-35                  | 13                                 | 34.2 |
|           | 40-55                  | 2                                  | 5.3  |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |
| 40-44     | ≤ 15                   | 6                                  | 75.0 |
|           | 20-35                  | 2                                  | 25.0 |
|           | 40-55                  | 0                                  | .    |
|           | ≥ 55                   | 0                                  | .    |
|           | M *                    | 0                                  |      |

Table A-51 (Continued).

| Age group                                            | Hearing level<br>dB*** | <u>All components**</u> |     |
|------------------------------------------------------|------------------------|-------------------------|-----|
|                                                      |                        | N                       | %   |
| 45-49                                                | ≤ 15                   | 0                       | .   |
|                                                      | 20-35                  | 1                       | 100 |
|                                                      | 40-55                  | 0                       | .   |
|                                                      | ≥ 55                   | 0                       | .   |
|                                                      | M *                    | 0                       |     |
| 50 ≥                                                 | ≤ 15                   | None                    |     |
|                                                      | 20-35                  |                         |     |
|                                                      | 40-55                  |                         |     |
|                                                      | ≥ 55                   |                         |     |
| * Missing (not included in totals or percentages)    |                        |                         |     |
| ** Includes active duty, reserve, and National Guard |                        |                         |     |
| *** Decibels                                         |                        |                         |     |

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