

Period of full employment (years)

| | 40-49yr | | | 50-59yr | | | 60-69yr | | | 70-79yr | | | 80yr- | | | Total | | |
|--------|---------|-----|-----|---------|------|-----|---------|------|-----|---------|------|-----|-------|------|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 21.9 | 3.8 | 185 | 34.3 | 4.7 | 156 | 43.2 | 4.8 | 162 | 45.2 | 8.0 | 170 | 45.2 | 8.8 | 52 | 36.5 | 11.1 | 725 |
| Female | 10.0 | 7.1 | 195 | 13.1 | 10.2 | 147 | 19.6 | 14.5 | 158 | 21.1 | 15.7 | 160 | 21.3 | 20.0 | 52 | 16.1 | 13.7 | 712 |
| Total | 15.8 | 8.3 | 380 | 24.0 | 13.2 | 303 | 31.5 | 15.9 | 320 | 33.5 | 17.3 | 330 | 33.3 | 19.5 | 104 | 26.4 | 16.1 | 1437 |

Years of education

| | 40-49yr | | | 50-59yr | | | 60-69yr | | | 70-79yr | | | 80yr- | | | Total | | |
|--------|---------|-----|-----|---------|-----|-----|---------|-----|-----|---------|-----|-----|-------|-----|-----|-------|-----|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 14.6 | 2.4 | 185 | 13.9 | 2.6 | 156 | 12.4 | 2.6 | 162 | 11.3 | 2.8 | 170 | 11.1 | 3.0 | 52 | 12.9 | 2.9 | 725 |
| Female | 13.7 | 1.9 | 195 | 12.9 | 2.3 | 148 | 11.5 | 2.2 | 159 | 10.2 | 2.2 | 167 | 9.6 | 1.9 | 53 | 11.9 | 2.6 | 722 |
| Total | 14.1 | 2.2 | 380 | 13.4 | 2.5 | 304 | 12.0 | 2.4 | 321 | 10.7 | 2.6 | 337 | 10.4 | 2.6 | 105 | 12.4 | 2.8 | 1447 |

Marital status

| | | 40-49yr | | 50-59yr | | 60-69yr | | 70-79yr | | 80yr- | | Total | |
|---|--------|---------|------|---------|------|---------|------|---------|------|-------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| Unmarried | Male | 25 | 13.5 | 6 | 3.8 | 4 | 2.5 | 1 | 0.6 | 0 | 0.0 | 36 | 5.0 |
| | Female | 17 | 8.7 | 4 | 2.7 | 4 | 2.5 | 9 | 5.4 | 2 | 3.8 | 36 | 5.0 |
| | Total | 42 | 11.1 | 10 | 3.3 | 8 | 2.5 | 10 | 3.0 | 2 | 1.9 | 72 | 5.0 |
| Already married (covers unregistered marriage) | Male | 154 | 83.2 | 144 | 92.3 | 154 | 95.1 | 165 | 97.1 | 45 | 86.5 | 662 | 91.3 |
| | Female | 171 | 87.7 | 129 | 87.2 | 133 | 83.6 | 95 | 56.9 | 13 | 24.5 | 541 | 74.9 |
| | Total | 325 | 85.5 | 273 | 89.8 | 287 | 89.4 | 260 | 77.2 | 58 | 55.2 | 1203 | 83.1 |
| Separation | Male | 3 | 1.6 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.6 |
| | Female | 0 | 0.0 | 1 | 0.7 | 3 | 1.9 | 0 | 0.0 | 0 | 0.0 | 4 | 0.6 |
| | Total | 3 | 0.8 | 2 | 0.7 | 3 | 0.9 | 0 | 0.0 | 0 | 0.0 | 8 | 0.6 |
| Divorced | Male | 3 | 1.6 | 3 | 1.9 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 7 | 1.0 |
| | Female | 6 | 3.1 | 6 | 4.1 | 4 | 2.5 | 6 | 3.6 | 2 | 3.8 | 24 | 3.3 |
| | Total | 9 | 2.4 | 9 | 3.0 | 5 | 1.6 | 6 | 1.8 | 2 | 1.9 | 31 | 2.1 |
| Bereavement | Male | 0 | 0.0 | 2 | 1.3 | 3 | 1.9 | 4 | 2.4 | 7 | 13.5 | 16 | 2.2 |
| | Female | 1 | 0.5 | 8 | 5.4 | 15 | 9.4 | 57 | 34.1 | 36 | 67.9 | 117 | 16.2 |
| | Total | 1 | 0.3 | 10 | 3.3 | 18 | 5.6 | 61 | 18.1 | 43 | 41.0 | 133 | 9.2 |

State of habitation

| | | 40-49yr | | 50-59yr | | 60-69yr | | 70-79yr | | 80yr- | | Total | |
|------------------|--------|---------|------|---------|------|---------|------|---------|------|-------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| Living alone | Male | 15 | 8.1 | 4 | 2.6 | 3 | 1.9 | 2 | 1.2 | 3 | 5.8 | 27 | 3.7 |
| | Female | 5 | 2.6 | 4 | 2.7 | 12 | 7.5 | 38 | 22.8 | 16 | 30.2 | 75 | 10.4 |
| | Total | 20 | 5.3 | 8 | 2.6 | 15 | 4.7 | 40 | 11.9 | 19 | 18.1 | 102 | 7.0 |
| Husband and wife | Male | 20 | 10.8 | 28 | 17.9 | 79 | 48.8 | 104 | 61.2 | 30 | 57.7 | 261 | 36.0 |
| | Female | 17 | 8.7 | 41 | 27.7 | 76 | 47.8 | 60 | 35.9 | 6 | 11.3 | 200 | 27.7 |
| | Total | 37 | 9.7 | 69 | 22.7 | 155 | 48.3 | 164 | 48.7 | 36 | 34.3 | 461 | 31.9 |
| Others | Male | 150 | 81.1 | 124 | 79.5 | 80 | 49.4 | 64 | 37.6 | 19 | 36.5 | 437 | 60.3 |
| | Female | 173 | 88.7 | 103 | 69.6 | 71 | 44.7 | 69 | 41.3 | 31 | 58.5 | 447 | 61.9 |
| | Total | 323 | 85.0 | 227 | 74.7 | 151 | 47.0 | 133 | 39.5 | 50 | 47.6 | 884 | 61.1 |

Sum of family annual income

| | | 40-49yr | | 50-59yr | | 60-69yr | | 70-79yr | | 80yr- | | Total | |
|--|--------|---------|------|---------|------|---------|------|---------|------|-------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| Not recorded | Male | 0 | 0.0 | 2 | 1.3 | 1 | 0.6 | 3 | 1.8 | 0 | 0.0 | 6 | 0.8 |
| | Female | 0 | 0.0 | 1 | 0.7 | 1 | 0.6 | 5 | 3.0 | 10 | 18.9 | 17 | 2.4 |
| | Total | 0 | 0.0 | 3 | 1.0 | 2 | 0.6 | 8 | 2.4 | 10 | 9.5 | 23 | 1.6 |
| Less than 1,500,000yen | Male | 2 | 1.1 | 0 | 0.0 | 6 | 3.7 | 6 | 3.5 | 2 | 3.8 | 16 | 2.2 |
| | Female | 5 | 2.6 | 3 | 2.0 | 4 | 2.5 | 11 | 6.6 | 5 | 9.4 | 28 | 3.9 |
| | Total | 7 | 1.8 | 3 | 1.0 | 10 | 3.1 | 17 | 5.0 | 7 | 6.7 | 44 | 3.0 |
| Between 1,500,000 and 2,490,000 yen | Male | 0 | 0.0 | 1 | 0.6 | 7 | 4.3 | 16 | 9.4 | 1 | 1.9 | 25 | 3.4 |
| | Female | 4 | 2.1 | 5 | 3.4 | 13 | 8.2 | 31 | 18.6 | 13 | 24.5 | 66 | 9.1 |
| | Total | 4 | 1.1 | 6 | 2.0 | 20 | 6.2 | 47 | 13.9 | 14 | 13.3 | 91 | 6.3 |
| Between 2,500,000 and 3,490,000 yen | Male | 3 | 1.6 | 3 | 1.9 | 27 | 16.7 | 41 | 24.1 | 10 | 19.2 | 84 | 11.6 |
| | Female | 9 | 4.6 | 7 | 4.7 | 35 | 22.0 | 45 | 26.9 | 7 | 13.2 | 103 | 14.3 |
| | Total | 12 | 3.2 | 10 | 3.3 | 62 | 19.3 | 86 | 25.5 | 17 | 16.2 | 187 | 12.9 |
| Between 3,500,000 and 4,490,000 yen | Male | 7 | 3.8 | 2 | 1.3 | 26 | 16.0 | 36 | 21.2 | 16 | 30.8 | 87 | 12.0 |
| | Female | 6 | 3.1 | 10 | 6.8 | 27 | 17.0 | 22 | 13.2 | 3 | 5.7 | 68 | 9.4 |
| | Total | 13 | 3.4 | 12 | 3.9 | 53 | 16.5 | 58 | 17.2 | 19 | 18.1 | 155 | 10.7 |
| Between 4,500,000 and 5,490,000 yen | Male | 26 | 14.1 | 7 | 4.5 | 22 | 13.6 | 17 | 10.0 | 10 | 19.2 | 82 | 11.3 |
| | Female | 20 | 10.3 | 12 | 8.1 | 14 | 8.8 | 14 | 8.4 | 2 | 3.8 | 62 | 8.6 |
| | Total | 46 | 12.1 | 19 | 6.3 | 36 | 11.2 | 31 | 9.2 | 12 | 11.4 | 144 | 10.0 |
| Between 5,500,000 and 6,490,000 yen | Male | 27 | 14.6 | 15 | 9.6 | 12 | 7.4 | 8 | 4.7 | 3 | 5.8 | 65 | 9.0 |
| | Female | 19 | 9.7 | 21 | 14.2 | 10 | 6.3 | 7 | 4.2 | 3 | 5.7 | 60 | 8.3 |
| | Total | 46 | 12.1 | 36 | 11.8 | 22 | 6.9 | 15 | 4.5 | 6 | 5.7 | 125 | 8.6 |
| Between 6,500,000 and 7,490,000 yen | Male | 20 | 10.8 | 18 | 11.5 | 12 | 7.4 | 7 | 4.1 | 2 | 3.8 | 59 | 8.1 |
| | Female | 30 | 15.4 | 12 | 8.1 | 9 | 5.7 | 5 | 3.0 | 1 | 1.9 | 57 | 7.9 |
| | Total | 50 | 13.2 | 30 | 9.9 | 21 | 6.5 | 12 | 3.6 | 3 | 2.9 | 116 | 8.0 |
| Between 7,500,000 and 8,490,000 yen | Male | 27 | 14.6 | 19 | 12.2 | 9 | 5.6 | 9 | 5.3 | 0 | 0.0 | 64 | 8.8 |

(Continued)

Sum of family annual income

| | | 40-49yr | | 50-59yr | | 60-69yr | | 70-79yr | | 80yr- | | Total | |
|--|--------|---------|------|---------|------|---------|------|---------|------|-------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| Between 7,500,000 and 8,490,000 yen | Female | 21 | 10.8 | 12 | 8.1 | 9 | 5.7 | 5 | 3.0 | 1 | 1.9 | 48 | 6.6 |
| | Total | 48 | 12.6 | 31 | 10.2 | 18 | 5.6 | 14 | 4.2 | 1 | 1.0 | 112 | 7.7 |
| Between 8,500,000 and 9,999,000 yen | Male | 32 | 17.3 | 28 | 17.9 | 12 | 7.4 | 7 | 4.1 | 0 | 0.0 | 79 | 10.9 |
| | Female | 28 | 14.4 | 17 | 11.5 | 15 | 9.4 | 9 | 5.4 | 2 | 3.8 | 71 | 9.8 |
| | Total | 60 | 15.8 | 45 | 14.8 | 27 | 8.4 | 16 | 4.7 | 2 | 1.9 | 150 | 10.4 |
| Between 10,000,000 and 19,990,000 yen | Male | 41 | 22.2 | 59 | 37.8 | 26 | 16.0 | 17 | 10.0 | 7 | 13.5 | 150 | 20.7 |
| | Female | 48 | 24.6 | 45 | 30.4 | 18 | 11.3 | 12 | 7.2 | 5 | 9.4 | 128 | 17.7 |
| | Total | 89 | 23.4 | 104 | 34.2 | 44 | 13.7 | 29 | 8.6 | 12 | 11.4 | 278 | 19.2 |
| More than 20,000,000 yen | Male | 0 | 0.0 | 2 | 1.3 | 2 | 1.2 | 3 | 1.8 | 1 | 1.9 | 8 | 1.1 |
| | Female | 5 | 2.6 | 3 | 2.0 | 4 | 2.5 | 1 | 0.6 | 1 | 1.9 | 14 | 1.9 |
| | Total | 5 | 1.3 | 5 | 1.6 | 6 | 1.9 | 4 | 1.2 | 2 | 1.9 | 22 | 1.5 |

Level of satisfaction in annual income

| | | 40-49yr | | 50-59yr | | 60-69yr | | 70-79yr | | 80yr- | | Total | |
|------------------|--------|---------|------|---------|------|---------|------|---------|------|-------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| Very satisfied | Male | 13 | 7.0 | 14 | 9.0 | 23 | 14.2 | 24 | 14.1 | 9 | 17.3 | 83 | 11.4 |
| | Female | 24 | 12.3 | 26 | 17.6 | 25 | 15.7 | 21 | 12.6 | 13 | 24.5 | 109 | 15.1 |
| | Total | 37 | 9.7 | 40 | 13.2 | 48 | 15.0 | 45 | 13.4 | 22 | 21.0 | 192 | 13.3 |
| Satisfied | Male | 60 | 32.4 | 47 | 30.1 | 45 | 27.8 | 63 | 37.1 | 19 | 36.5 | 234 | 32.3 |
| | Female | 57 | 29.2 | 44 | 29.7 | 61 | 38.4 | 88 | 52.7 | 22 | 41.5 | 272 | 37.7 |
| | Total | 117 | 30.8 | 91 | 29.9 | 106 | 33.0 | 151 | 44.8 | 41 | 39.0 | 506 | 35.0 |
| Not determined | Male | 50 | 27.0 | 43 | 27.6 | 53 | 32.7 | 51 | 30.0 | 13 | 25.0 | 210 | 29.0 |
| | Female | 44 | 22.6 | 35 | 23.6 | 45 | 28.3 | 35 | 21.0 | 7 | 13.2 | 166 | 23.0 |
| | Total | 94 | 24.7 | 78 | 25.7 | 98 | 30.5 | 86 | 25.5 | 20 | 19.0 | 376 | 26.0 |
| Unsatisfied | Male | 52 | 28.1 | 43 | 27.6 | 34 | 21.0 | 27 | 15.9 | 10 | 19.2 | 166 | 22.9 |
| | Female | 57 | 29.2 | 38 | 25.7 | 23 | 14.5 | 20 | 12.0 | 9 | 17.0 | 147 | 20.4 |
| | Total | 109 | 28.7 | 81 | 26.6 | 57 | 17.8 | 47 | 13.9 | 19 | 18.1 | 313 | 21.6 |
| Very unsatisfied | Male | 10 | 5.4 | 9 | 5.8 | 7 | 4.3 | 5 | 2.9 | 1 | 1.9 | 32 | 4.4 |
| | Female | 13 | 6.7 | 5 | 3.4 | 5 | 3.1 | 3 | 1.8 | 2 | 3.8 | 28 | 3.9 |
| | Total | 23 | 6.1 | 14 | 4.6 | 12 | 3.7 | 8 | 2.4 | 3 | 2.9 | 60 | 4.1 |

VII. Visual and Auditory Examinations

VII. Visual and Auditory Examinations

1) Visual system

1. Refraction

Autorefractometry was obtained with the NIDEK-ARK700A. Refractive errors, in spherical equivalent, were assessed.

2. Visual acuity (5 m)

Distant visual acuity was measured for each eye with a Landolt C letter at 5m. Presenting visual acuity was measured with the participant's current distance correction; when distance correction was not used, the unaided distant visual acuity was measured. Subsequently, best-corrected visual acuity for each eye was determined after objective autorefractometry and subjective refinement.

3. Contrast sensitivity

Contrast sensitivity was measured at 1.5, 3, 6, 12, 18 cycles per degree with Vistech VCTS-6500.

4. Intraocular pressure

Intraocular pressure was measured three times for each eye with a noncontact tomometer (NIDEK NT-3000) between 9 and 12 AM. The mean value of the three measurements was used for analysis.

5. Retinal fundus camera

Fundus photographs were taken with Topcon fundus camera (TRC-NW5S) at 20 and 45 degree angles for each eye without pupil dilatation. Diabetic retinopathy, arteriosclerosis, and macular degeneration were assessed on the photograph at 45 degree angles. Vertical cup to disc ratio was measured on the photograph at 20 degree angles.

6. Specular microscope

Corneal thickness was obtained with the Topcon SP-2000 specular microscope.

2) Auditory system

1. Pure-tone audiometry

Air conduction thresholds at 125,250,500,1000,2000,4000,8000Hz(dBHL)

Bone conduction thresholds at 250,500,1000,2000,4000Hz(dBHL)

Pure-tone audiometry (Audiometer RION AA-78)

※ If no response occurs at the maximum output level of this audiometer, the threshold is treated as following.

| | Air conduction | | Bone conduction | |
|--------|----------------------|-------------|----------------------|-------------|
| | Maximum output level | Input level | Maximum output level | Input level |
| 125Hz | 70 | 75 | - | - |
| 250Hz | 85 | 90 | 55 | 60 |
| 500Hz | 100 | 105 | 65 | 70 |
| 1000Hz | 100 | 105 | 70 | 75 |
| 2000Hz | 100 | 105 | 70 | 75 |
| 4000Hz | 100 | 105 | 60 | 65 |
| 8000Hz | 95 | 100 | - | - |

2. Impedance audiometry

(1) Single frequency tympanometry

Tympanometric peak pressure in the single frequency tympanogram at 226Hz(daPa)

Static compliance in the single frequency tympanogram at 226Hz(ml)

(2) Multifrequency tympanometry

Middle ear resonance frequency(Hz)

3. Video otoscopy

Status of one's ear canals and eardrums MP-5(RF SYSTEM lab.)

D) Visual system

1. Refraction

Autorefracton was obtained with the NIDEK-ARK700A. Refractive errors, in spherical equivalent, were assessed.

Spherical Equivalent of Refractive Error - Right Eye (Diopters)

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|-------|----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 1.09 | 7.49 | 184 | -0.06 | 6.06 | 155 | 0.75 | 8.15 | 160 | 0.70 | 6.64 | 158 | 1.60 | 10.01 | 49 | 0.71 | 7.38 | 706 |
| Female | 0.74 | 6.43 | 194 | -0.76 | 3.07 | 147 | 1.38 | 7.67 | 157 | 1.28 | 6.95 | 160 | 1.78 | 9.60 | 47 | 0.76 | 6.63 | 705 |
| Total | 0.91 | 6.96 | 378 | -0.40 | 4.85 | 302 | 1.06 | 7.91 | 317 | 0.99 | 6.79 | 318 | 1.69 | 9.76 | 96 | 0.73 | 7.01 | 1411 |

Spherical Equivalent of Refractive Error - Left Eye (Diopters)

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 0.90 | 5.95 | 184 | 0.24 | 4.42 | 156 | 0.48 | 5.59 | 154 | 1.05 | 5.30 | 154 | 1.54 | 8.21 | 44 | 0.73 | 5.59 | 692 |
| Female | 0.71 | 4.85 | 194 | -0.64 | 2.47 | 145 | 1.13 | 5.50 | 151 | 1.39 | 4.93 | 160 | 2.51 | 6.00 | 49 | 0.80 | 4.80 | 699 |
| Total | 0.80 | 5.41 | 378 | -0.19 | 3.64 | 301 | 0.80 | 5.55 | 305 | 1.22 | 5.11 | 314 | 2.05 | 7.11 | 93 | 0.77 | 5.21 | 1391 |

2. Visual acuity: distant vision (5 m)

Distant visual acuity was measured for each eye with a Landolt C letter at 5m. Presenting visual acuity was measured with the participant's current distance correction; when distance correction was not used, the unaided distant visual acuity was measured. Subsequently, best-corrected visual acuity for each eye was determined after objective autorefraction and subjective refinement.

Presenting Visual Acuity - Right Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 14 | 7.6 | 16 | 10.3 | 7 | 4.3 | 13 | 7.6 | 4 | 7.7 | 54 | 7.4 |
| | Female | 21 | 10.8 | 5 | 3.4 | 7 | 4.4 | 14 | 8.4 | 13 | 24.5 | 60 | 8.3 |
| | Total | 35 | 9.2 | 21 | 6.9 | 14 | 4.4 | 27 | 8.0 | 17 | 16.2 | 114 | 7.9 |
| 0.3 or worse | Male | 0 | 0.0 | 8 | 5.1 | 2 | 1.2 | 12 | 7.1 | 3 | 5.8 | 25 | 3.4 |
| | Female | 1 | 0.5 | 3 | 2.0 | 6 | 3.8 | 8 | 4.8 | 2 | 3.8 | 20 | 2.8 |
| | Total | 1 | 0.3 | 11 | 3.6 | 8 | 2.5 | 20 | 5.9 | 5 | 4.8 | 45 | 3.1 |
| 0.3-0.6 | Male | 5 | 2.7 | 11 | 7.1 | 18 | 11.1 | 42 | 24.7 | 21 | 40.4 | 97 | 13.4 |
| | Female | 8 | 4.1 | 13 | 8.8 | 17 | 10.7 | 38 | 22.8 | 15 | 28.3 | 91 | 12.6 |
| | Total | 13 | 3.4 | 24 | 7.9 | 35 | 10.9 | 80 | 23.7 | 36 | 34.3 | 188 | 13.0 |
| 0.7 or better | Male | 166 | 89.7 | 121 | 77.6 | 135 | 83.3 | 103 | 60.6 | 24 | 46.2 | 549 | 75.7 |
| | Female | 165 | 84.6 | 127 | 85.8 | 129 | 81.1 | 107 | 64.1 | 23 | 43.4 | 551 | 76.3 |
| | Total | 331 | 87.1 | 248 | 81.6 | 264 | 82.2 | 210 | 62.3 | 47 | 44.8 | 1100 | 76.0 |

Presenting Visual Acuity - Left Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 15 | 8.1 | 16 | 10.3 | 6 | 3.7 | 11 | 6.5 | 2 | 3.8 | 50 | 6.9 |
| | Female | 22 | 11.3 | 4 | 2.7 | 6 | 3.8 | 9 | 5.4 | 12 | 22.6 | 53 | 7.3 |
| | Total | 37 | 9.7 | 20 | 6.6 | 12 | 3.7 | 20 | 5.9 | 14 | 13.3 | 103 | 7.1 |
| 0.3 or worse | Male | 1 | 0.5 | 4 | 2.6 | 3 | 1.9 | 14 | 8.2 | 4 | 7.7 | 26 | 3.6 |
| | Female | 1 | 0.5 | 7 | 4.7 | 7 | 4.4 | 10 | 6.0 | 1 | 1.9 | 26 | 3.6 |
| | Total | 2 | 0.5 | 11 | 3.6 | 10 | 3.1 | 24 | 7.1 | 5 | 4.8 | 52 | 3.6 |
| 0.3-0.6 | Male | 9 | 4.9 | 13 | 8.3 | 24 | 14.8 | 34 | 20.0 | 14 | 26.9 | 94 | 13.0 |
| | Female | 5 | 2.6 | 12 | 8.1 | 16 | 10.1 | 47 | 28.1 | 16 | 30.2 | 96 | 13.3 |
| | Total | 14 | 3.7 | 25 | 8.2 | 40 | 12.5 | 81 | 24.0 | 30 | 28.6 | 190 | 13.1 |
| 0.7 or better | Male | 160 | 86.5 | 123 | 78.8 | 129 | 79.6 | 111 | 65.3 | 32 | 61.5 | 555 | 76.6 |
| | Female | 167 | 85.6 | 125 | 84.5 | 130 | 81.8 | 101 | 60.5 | 24 | 45.3 | 547 | 75.8 |
| | Total | 327 | 86.1 | 248 | 81.6 | 259 | 80.7 | 212 | 62.9 | 56 | 53.3 | 1102 | 76.2 |

Best-corrected Visual Acuity - Right Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 14 | 7.6 | 16 | 10.3 | 7 | 4.3 | 13 | 7.6 | 4 | 7.7 | 54 | 7.4 |
| | Female | 21 | 10.8 | 5 | 3.4 | 7 | 4.4 | 14 | 8.4 | 13 | 24.5 | 60 | 8.3 |
| | Total | 35 | 9.2 | 21 | 6.9 | 14 | 4.4 | 27 | 8.0 | 17 | 16.2 | 114 | 7.9 |
| 0.3 or worse | Male | 0 | 0.0 | 3 | 1.9 | 0 | 0.0 | 1 | 0.6 | 2 | 3.8 | 6 | 0.8 |
| | Female | 0 | 0.0 | 0 | 0.0 | 2 | 1.3 | 4 | 2.4 | 1 | 1.9 | 7 | 1.0 |
| | Total | 0 | 0.0 | 3 | 1.0 | 2 | 0.6 | 5 | 1.5 | 3 | 2.9 | 13 | 0.9 |
| 0.3-0.6 | Male | 1 | 0.5 | 2 | 1.3 | 7 | 4.3 | 28 | 16.5 | 16 | 30.8 | 54 | 7.4 |
| | Female | 0 | 0.0 | 6 | 4.1 | 5 | 3.1 | 14 | 8.4 | 9 | 17.0 | 34 | 4.7 |
| | Total | 1 | 0.3 | 8 | 2.6 | 12 | 3.7 | 42 | 12.5 | 25 | 23.8 | 88 | 6.1 |
| 0.7 or better | Male | 170 | 91.9 | 135 | 86.5 | 148 | 91.4 | 128 | 75.3 | 30 | 57.7 | 611 | 84.3 |
| | Female | 174 | 89.2 | 137 | 92.6 | 145 | 91.2 | 135 | 80.8 | 30 | 56.6 | 621 | 86.0 |
| | Total | 344 | 90.5 | 272 | 89.5 | 293 | 91.3 | 263 | 78.0 | 60 | 57.1 | 1232 | 85.1 |

Best-corrected Visual Acuity - Left Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 15 | 8.1 | 16 | 10.3 | 6 | 3.7 | 11 | 6.5 | 2 | 3.8 | 50 | 6.9 |
| | Female | 21 | 10.8 | 4 | 2.7 | 6 | 3.8 | 9 | 5.4 | 12 | 22.6 | 52 | 7.2 |
| | Total | 36 | 9.5 | 20 | 6.6 | 12 | 3.7 | 20 | 5.9 | 14 | 13.3 | 102 | 7.0 |
| 0.3 or worse | Male | 1 | 0.5 | 0 | 0.0 | 2 | 1.2 | 7 | 4.1 | 3 | 5.8 | 13 | 1.8 |
| | Female | 0 | 0.0 | 2 | 1.4 | 1 | 0.6 | 3 | 1.8 | 0 | 0.0 | 6 | 0.8 |
| | Total | 1 | 0.3 | 2 | 0.7 | 3 | 0.9 | 10 | 3.0 | 3 | 2.9 | 19 | 1.3 |
| 0.3-0.6 | Male | 0 | 0.0 | 1 | 0.6 | 10 | 6.2 | 20 | 11.8 | 8 | 15.4 | 39 | 5.4 |
| | Female | 0 | 0.0 | 5 | 3.4 | 7 | 4.4 | 27 | 16.2 | 10 | 18.9 | 49 | 6.8 |
| | Total | 0 | 0.0 | 6 | 2.0 | 17 | 5.3 | 47 | 13.9 | 18 | 17.1 | 88 | 6.1 |
| 0.7 or better | Male | 169 | 91.4 | 139 | 89.1 | 144 | 88.9 | 132 | 77.6 | 39 | 75.0 | 623 | 85.9 |
| | Female | 174 | 89.2 | 137 | 92.6 | 145 | 91.2 | 128 | 76.6 | 31 | 58.5 | 615 | 85.2 |
| | Total | 343 | 90.3 | 276 | 90.8 | 289 | 90.0 | 260 | 77.2 | 70 | 66.7 | 1238 | 85.6 |

3. Contrast sensitivity

Contrast sensitivity was measured at 1.5, 3, 6, 12, 18 cycles per degree with Vistech VCTS-6500.

Contrast Sensitivity at 1.5 cycles/degree

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 45.4 | 19.1 | 185 | 42.4 | 17.7 | 154 | 39.0 | 14.1 | 162 | 35.3 | 15.4 | 169 | 30.1 | 13.6 | 52 | 39.8 | 17.1 | 722 |
| Female | 43.3 | 18.1 | 194 | 40.8 | 15.7 | 148 | 37.0 | 12.3 | 158 | 34.3 | 12.2 | 164 | 31.2 | 9.7 | 50 | 38.5 | 15.1 | 714 |
| Total | 44.3 | 18.6 | 379 | 41.6 | 16.7 | 302 | 38.0 | 13.3 | 320 | 34.8 | 13.9 | 333 | 30.6 | 11.8 | 102 | 39.2 | 16.2 | 1436 |

Contrast Sensitivity at 3 cycles/degree

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 116.5 | 44.1 | 185 | 107.4 | 49.4 | 154 | 91.9 | 45.7 | 162 | 70.3 | 41.5 | 169 | 56.9 | 36.4 | 52 | 93.9 | 48.7 | 722 |
| Female | 115.6 | 47.3 | 194 | 113.3 | 50.7 | 148 | 95.9 | 49.0 | 158 | 68.4 | 40.7 | 164 | 64.7 | 39.1 | 50 | 96.4 | 50.6 | 714 |
| Total | 116.1 | 45.7 | 379 | 110.3 | 50.0 | 302 | 93.9 | 47.3 | 320 | 69.4 | 41.1 | 333 | 60.7 | 37.8 | 102 | 95.2 | 49.7 | 1436 |

Contrast Sensitivity at 6 cycles/degree

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 112.6 | 52.4 | 185 | 110.9 | 55.1 | 154 | 87.3 | 50.0 | 162 | 61.2 | 43.4 | 169 | 48.7 | 39.1 | 52 | 89.9 | 54.7 | 722 |
| Female | 118.2 | 54.1 | 194 | 110.6 | 57.7 | 148 | 98.3 | 53.7 | 158 | 57.6 | 42.2 | 164 | 51.2 | 40.0 | 50 | 93.6 | 57.3 | 714 |
| Total | 115.5 | 53.3 | 379 | 110.8 | 56.3 | 302 | 92.7 | 52.0 | 320 | 59.4 | 42.8 | 333 | 49.9 | 39.4 | 102 | 91.8 | 56.0 | 1436 |

Contrast Sensitivity at 12 cycles/degree

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 61.2 | 37.3 | 185 | 54.9 | 34.7 | 154 | 41.6 | 33.1 | 162 | 23.8 | 25.8 | 169 | 14.1 | 15.9 | 52 | 43.3 | 35.9 | 722 |
| Female | 64.1 | 37.6 | 194 | 58.7 | 40.8 | 148 | 48.0 | 35.2 | 158 | 22.7 | 21.6 | 164 | 20.7 | 25.1 | 50 | 46.9 | 38.0 | 714 |
| Total | 62.7 | 37.4 | 379 | 56.8 | 37.8 | 302 | 44.8 | 34.2 | 320 | 23.2 | 23.8 | 333 | 17.4 | 21.1 | 102 | 45.1 | 37.0 | 1436 |

Contrast Sensitivity at 18 cycles/degree

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|-----|-----|---------|-----|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 18.5 | 14.0 | 185 | 15.9 | 12.7 | 154 | 12.2 | 11.2 | 162 | 7.2 | 9.1 | 169 | 3.1 | 5.1 | 52 | 12.8 | 12.5 | 722 |
| Female | 20.7 | 13.9 | 194 | 18.3 | 15.4 | 148 | 14.4 | 13.1 | 158 | 6.2 | 7.4 | 164 | 5.6 | 8.0 | 50 | 14.4 | 13.8 | 714 |
| Total | 19.6 | 14.0 | 379 | 17.1 | 14.1 | 302 | 13.3 | 12.2 | 320 | 6.7 | 8.3 | 333 | 4.4 | 6.8 | 102 | 13.6 | 13.2 | 1436 |

4. Intraocular pressure

Intraocular pressure was measured three times for each eye with a noncontact tomometer (NIDEK NT-3000) between 9 and 12 AM. The mean value of the three measurements was used for analysis.

Intraocular Pressure - Right Eye (mmHg)

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|-------|----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 13.23 | 4.30 | 171 | 13.14 | 3.86 | 140 | 12.79 | 4.55 | 155 | 12.36 | 4.31 | 156 | 13.89 | 12.10 | 48 | 12.95 | 5.23 | 670 |
| Female | 12.87 | 4.88 | 173 | 11.75 | 2.41 | 143 | 12.52 | 3.91 | 151 | 12.37 | 3.95 | 152 | 11.86 | 3.99 | 40 | 12.37 | 3.95 | 659 |
| Total | 13.05 | 4.60 | 344 | 12.44 | 3.28 | 283 | 12.65 | 4.24 | 306 | 12.36 | 4.13 | 308 | 12.97 | 9.34 | 88 | 12.66 | 4.65 | 1329 |

Intraocular Pressure - Left Eye (mmHg)

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|-------|----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 12.62 | 4.32 | 171 | 13.01 | 4.62 | 140 | 13.00 | 4.87 | 154 | 12.64 | 5.41 | 157 | 14.07 | 10.16 | 46 | 12.89 | 5.35 | 668 |
| Female | 12.44 | 5.27 | 173 | 11.56 | 2.63 | 142 | 12.21 | 3.80 | 151 | 12.83 | 4.45 | 154 | 12.64 | 4.46 | 40 | 12.30 | 4.24 | 660 |
| Total | 12.53 | 4.82 | 344 | 12.28 | 3.82 | 282 | 12.61 | 4.38 | 305 | 12.73 | 4.95 | 311 | 13.40 | 8.02 | 86 | 12.60 | 4.84 | 1328 |

5. Retinal fundus camera

Fundus photographs were taken with Topcon fundus camera (TRC-NW5S) at 20 and 45 degree angles for each eye without pupil dilatation.

Diabetic retinopathy, Arteriosclerosis, and macular degeneration were assessed on the photograph at 45 degree angles.

Vertical cup to disc ratio was measured on the photograph at 20 degree angles.

Cup-Disc Ratio of Optic Disc - Right Eye

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|-----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 0.54 | 0.09 | 185 | 0.55 | 0.09 | 155 | 0.56 | 0.08 | 162 | 0.56 | 0.10 | 167 | 0.61 | 0.10 | 52 | 0.56 | 0.09 | 721 |
| Female | 0.54 | 0.10 | 193 | 0.53 | 0.09 | 148 | 0.56 | 0.08 | 159 | 0.57 | 0.10 | 161 | 0.58 | 0.08 | 49 | 0.55 | 0.09 | 710 |
| Total | 0.54 | 0.09 | 378 | 0.54 | 0.09 | 303 | 0.56 | 0.08 | 321 | 0.57 | 0.10 | 328 | 0.60 | 0.10 | 101 | 0.55 | 0.09 | 1431 |

Cup-Disc Ratio of Optic Disc - Left Eye

| | 40 - 49yr | | | 50 - 59yr | | | 60 - 69yr | | | 70 - 79yr | | | 80 - yr | | | Total | | |
|--------|-----------|------|-----|-----------|------|-----|-----------|------|-----|-----------|------|-----|---------|------|----|-------|------|------|
| | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N |
| Male | 0.53 | 0.09 | 184 | 0.53 | 0.09 | 156 | 0.55 | 0.08 | 158 | 0.56 | 0.09 | 163 | 0.59 | 0.09 | 49 | 0.55 | 0.09 | 710 |
| Female | 0.53 | 0.09 | 193 | 0.52 | 0.09 | 147 | 0.55 | 0.08 | 156 | 0.56 | 0.09 | 161 | 0.57 | 0.10 | 47 | 0.54 | 0.09 | 704 |
| Total | 0.53 | 0.09 | 377 | 0.53 | 0.09 | 303 | 0.55 | 0.08 | 314 | 0.56 | 0.09 | 324 | 0.58 | 0.09 | 96 | 0.54 | 0.09 | 1414 |

Diabetic Retinopathy - Right Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|-------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 3 | 0.4 |
| | Female | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 5.7 | 4 | 0.6 |
| | Total | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 2 | 0.6 | 3 | 2.9 | 7 | 0.5 |
| nothing | Male | 184 | 99.5 | 155 | 99.4 | 159 | 98.1 | 155 | 91.2 | 52 | 100.0 | 705 | 97.2 |
| | Female | 191 | 97.9 | 145 | 98.0 | 157 | 98.7 | 158 | 94.6 | 45 | 84.9 | 696 | 96.4 |
| | Total | 375 | 98.7 | 300 | 98.7 | 316 | 98.4 | 313 | 92.9 | 97 | 92.4 | 1401 | 96.8 |
| simple | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 1 | 0.1 |
| | Female | 1 | 0.5 | 1 | 0.7 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 3 | 0.4 |
| | Total | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 4 | 0.3 |
| proliferative | Male | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 |
| | Female | 1 | 0.5 | 1 | 0.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.3 |
| | Total | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 3 | 0.2 |
| invisible | Male | 1 | 0.5 | 0 | 0.0 | 2 | 1.2 | 12 | 7.1 | 0 | 0.0 | 15 | 2.1 |
| | Female | 1 | 0.5 | 1 | 0.7 | 1 | 0.6 | 9 | 5.4 | 5 | 9.4 | 17 | 2.4 |
| | Total | 2 | 0.5 | 1 | 0.3 | 3 | 0.9 | 21 | 6.2 | 5 | 4.8 | 32 | 2.2 |

Diabetic Retinopathy - Left Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------|--------|-----------|------|-----------|-------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 1 | 0.5 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 2 | 3.8 | 5 | 0.7 |
| | Female | 1 | 0.5 | 1 | 0.7 | 0 | 0.0 | 0 | 0.0 | 3 | 5.7 | 5 | 0.7 |
| | Total | 2 | 0.5 | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 5 | 4.8 | 10 | 0.7 |
| nothing | Male | 183 | 98.9 | 156 | 100.0 | 154 | 95.1 | 160 | 94.1 | 47 | 90.4 | 700 | 96.6 |
| | Female | 191 | 97.9 | 144 | 97.3 | 155 | 97.5 | 157 | 94.0 | 44 | 83.0 | 691 | 95.7 |
| | Total | 374 | 98.4 | 300 | 98.7 | 309 | 96.3 | 317 | 94.1 | 91 | 86.7 | 1391 | 96.1 |
| simple | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Female | 1 | 0.5 | 1 | 0.7 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 3 | 0.4 |
| | Total | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 3 | 0.2 |
| proliferative | Male | 1 | 0.5 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 2 | 0.3 |
| | Female | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 |
| | Total | 2 | 0.5 | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 0 | 0.0 | 3 | 0.2 |
| invisible | Male | 0 | 0.0 | 0 | 0.0 | 6 | 3.7 | 9 | 5.3 | 3 | 5.8 | 18 | 2.5 |
| | Female | 1 | 0.5 | 2 | 1.4 | 3 | 1.9 | 10 | 6.0 | 6 | 11.3 | 22 | 3.0 |
| | Total | 1 | 0.3 | 2 | 0.7 | 9 | 2.8 | 19 | 5.6 | 9 | 8.6 | 40 | 2.8 |

Arteriosclerosis (Keith-Wagener) - Right Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|--------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 3 | 0.4 |
| | Female | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 5.7 | 4 | 0.6 |
| | Total | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 2 | 0.6 | 3 | 2.9 | 7 | 0.5 |
| nothing | Male | 180 | 97.3 | 142 | 91.0 | 139 | 85.8 | 125 | 73.5 | 30 | 57.7 | 616 | 85.0 |
| | Female | 192 | 98.5 | 142 | 95.9 | 133 | 83.6 | 120 | 71.9 | 39 | 73.6 | 626 | 86.7 |
| | Total | 372 | 97.9 | 284 | 93.4 | 272 | 84.7 | 245 | 72.7 | 69 | 65.7 | 1242 | 85.8 |
| K-W I | Male | 3 | 1.6 | 10 | 6.4 | 17 | 10.5 | 26 | 15.3 | 21 | 40.4 | 77 | 10.6 |
| | Female | 1 | 0.5 | 5 | 3.4 | 22 | 13.8 | 34 | 20.4 | 5 | 9.4 | 67 | 9.3 |
| | Total | 4 | 1.1 | 15 | 4.9 | 39 | 12.1 | 60 | 17.8 | 26 | 24.8 | 144 | 10.0 |
| K-W IIa | Male | 1 | 0.5 | 3 | 1.9 | 3 | 1.9 | 4 | 2.4 | 1 | 1.9 | 12 | 1.7 |
| | Female | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 1 | 1.9 | 3 | 0.4 |
| | Total | 1 | 0.3 | 3 | 1.0 | 4 | 1.2 | 5 | 1.5 | 2 | 1.9 | 15 | 1.0 |
| K-W IIb | Male | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 0 | 0.0 | 2 | 0.3 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 1 | 0.1 |
| | Total | 0 | 0.0 | 0 | 0.0 | 1 | 0.3 | 2 | 0.6 | 0 | 0.0 | 3 | 0.2 |
| K-W III | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Female | 0 | 0.0 | 0 | 0.0 | 2 | 1.3 | 2 | 1.2 | 0 | 0.0 | 4 | 0.6 |
| | Total | 0 | 0.0 | 0 | 0.0 | 2 | 0.6 | 2 | 0.6 | 0 | 0.0 | 4 | 0.3 |
| invisible | Male | 1 | 0.5 | 0 | 0.0 | 2 | 1.2 | 12 | 7.1 | 0 | 0.0 | 15 | 2.1 |
| | Female | 1 | 0.5 | 1 | 0.7 | 1 | 0.6 | 9 | 5.4 | 5 | 9.4 | 17 | 2.4 |
| | Total | 2 | 0.5 | 1 | 0.3 | 3 | 0.9 | 21 | 6.2 | 5 | 4.8 | 32 | 2.2 |

Arteriosclerosis (Keith-Wagener) - Left Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|--------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 1 | 0.5 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 2 | 3.8 | 5 | 0.7 |
| | Female | 1 | 0.5 | 1 | 0.7 | 0 | 0.0 | 0 | 0.0 | 3 | 5.7 | 5 | 0.7 |
| | Total | 2 | 0.5 | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 5 | 4.8 | 10 | 0.7 |
| nothing | Male | 177 | 95.7 | 146 | 93.6 | 134 | 82.7 | 120 | 70.6 | 33 | 63.5 | 610 | 84.1 |
| | Female | 190 | 97.4 | 140 | 94.6 | 134 | 84.3 | 123 | 73.7 | 37 | 69.8 | 624 | 86.4 |
| | Total | 367 | 96.6 | 286 | 94.1 | 268 | 83.5 | 243 | 72.1 | 70 | 66.7 | 1234 | 85.3 |
| K-W I | Male | 6 | 3.2 | 9 | 5.8 | 18 | 11.1 | 35 | 20.6 | 12 | 23.1 | 80 | 11.0 |
| | Female | 3 | 1.5 | 4 | 2.7 | 19 | 11.9 | 30 | 18.0 | 6 | 11.3 | 62 | 8.6 |
| | Total | 9 | 2.4 | 13 | 4.3 | 37 | 11.5 | 65 | 19.3 | 18 | 17.1 | 142 | 9.8 |
| K-W IIa | Male | 0 | 0.0 | 1 | 0.6 | 3 | 1.9 | 4 | 2.4 | 1 | 1.9 | 9 | 1.2 |
| | Female | 0 | 0.0 | 0 | 0.0 | 3 | 1.9 | 2 | 1.2 | 1 | 1.9 | 6 | 0.8 |
| | Total | 0 | 0.0 | 1 | 0.3 | 6 | 1.9 | 6 | 1.8 | 2 | 1.9 | 15 | 1.0 |
| K-W IIb | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 1.9 | 1 | 0.1 |
| | Female | 0 | 0.0 | 1 | 0.7 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 2 | 0.3 |
| | Total | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 1 | 0.3 | 1 | 1.0 | 3 | 0.2 |
| K-W III | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 1 | 0.1 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 1 | 0.1 |
| invisible | Male | 1 | 0.5 | 0 | 0.0 | 6 | 3.7 | 9 | 5.3 | 3 | 5.8 | 19 | 2.6 |
| | Female | 1 | 0.5 | 2 | 1.4 | 3 | 1.9 | 11 | 6.6 | 6 | 11.3 | 23 | 3.2 |
| | Total | 2 | 0.5 | 2 | 0.7 | 9 | 2.8 | 20 | 5.9 | 9 | 8.6 | 42 | 2.9 |

Macular Degeneration - Right Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 3 | 0.4 |
| | Female | 1 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 5.7 | 4 | 0.6 |
| | Total | 1 | 0.3 | 1 | 0.3 | 0 | 0.0 | 2 | 0.6 | 3 | 2.9 | 7 | 0.5 |
| nothing | Male | 180 | 97.3 | 147 | 94.2 | 144 | 88.9 | 128 | 75.3 | 41 | 78.8 | 640 | 88.3 |
| | Female | 191 | 97.9 | 140 | 94.6 | 145 | 91.2 | 125 | 74.9 | 33 | 62.3 | 634 | 87.8 |
| | Total | 371 | 97.6 | 287 | 94.4 | 289 | 90.0 | 253 | 75.1 | 74 | 70.5 | 1274 | 88.0 |
| drusen | Male | 0 | 0.0 | 1 | 0.6 | 4 | 2.5 | 9 | 5.3 | 3 | 5.8 | 17 | 2.3 |
| | Female | 1 | 0.5 | 3 | 2.0 | 5 | 3.1 | 14 | 8.4 | 8 | 15.1 | 31 | 4.3 |
| | Total | 1 | 0.3 | 4 | 1.3 | 9 | 2.8 | 23 | 6.8 | 11 | 10.5 | 48 | 3.3 |
| atrophic change | Male | 0 | 0.0 | 2 | 1.3 | 0 | 0.0 | 3 | 1.8 | 1 | 1.9 | 6 | 0.8 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Total | 0 | 0.0 | 2 | 0.7 | 0 | 0.0 | 3 | 0.9 | 1 | 1.0 | 6 | 0.4 |
| exudative change | Male | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 1 | 0.1 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Total | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 1 | 0.1 |
| epiretinal membrane | Male | 2 | 1.1 | 1 | 0.6 | 4 | 2.5 | 6 | 3.5 | 0 | 0.0 | 13 | 1.8 |
| | Female | 1 | 0.5 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 0 | 0.0 | 3 | 0.4 |
| | Total | 3 | 0.8 | 1 | 0.3 | 5 | 1.6 | 7 | 2.1 | 0 | 0.0 | 16 | 1.1 |
| others | Male | 1 | 0.5 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 1 | 1.9 | 3 | 0.4 |
| | Female | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 0 | 0.0 | 2 | 0.3 |
| | Total | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 1 | 1.0 | 5 | 0.3 |
| invisible | Male | 2 | 1.1 | 3 | 1.9 | 10 | 6.2 | 21 | 12.4 | 6 | 11.5 | 42 | 5.8 |
| | Female | 1 | 0.5 | 5 | 3.4 | 7 | 4.4 | 26 | 15.6 | 9 | 17.0 | 48 | 6.6 |
| | Total | 3 | 0.8 | 8 | 2.6 | 17 | 5.3 | 47 | 13.9 | 15 | 14.3 | 90 | 6.2 |

Macular Degeneration - Left Eye

| | | 40 - 49yr | | 50 - 59yr | | 60 - 69yr | | 70 - 79yr | | 80 - yr | | Total | |
|---------------------|--------|-----------|------|-----------|------|-----------|------|-----------|------|---------|------|-------|------|
| | | N | % | N | % | N | % | N | % | N | % | N | % |
| not recorded | Male | 1 | 0.5 | 0 | 0.0 | 1 | 0.6 | 1 | 0.6 | 2 | 3.8 | 5 | 0.7 |
| | Female | 1 | 0.5 | 1 | 0.7 | 0 | 0.0 | 0 | 0.0 | 3 | 5.7 | 5 | 0.7 |
| | Total | 2 | 0.5 | 1 | 0.3 | 1 | 0.3 | 1 | 0.3 | 5 | 4.8 | 10 | 0.7 |
| nothing | Male | 180 | 97.3 | 148 | 94.9 | 136 | 84.0 | 134 | 78.8 | 37 | 71.2 | 635 | 87.6 |
| | Female | 191 | 97.9 | 138 | 93.2 | 141 | 88.7 | 121 | 72.5 | 35 | 66.0 | 626 | 86.7 |
| | Total | 371 | 97.6 | 286 | 94.1 | 277 | 86.3 | 255 | 75.7 | 72 | 68.6 | 1261 | 87.1 |
| drusen | Male | 0 | 0.0 | 1 | 0.6 | 4 | 2.5 | 6 | 3.5 | 3 | 5.8 | 14 | 1.9 |
| | Female | 0 | 0.0 | 1 | 0.7 | 4 | 2.5 | 15 | 9.0 | 8 | 15.1 | 28 | 3.9 |
| | Total | 0 | 0.0 | 2 | 0.7 | 8 | 2.5 | 21 | 6.2 | 11 | 10.5 | 42 | 2.9 |
| atrophic change | Male | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 3 | 0.4 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 1 | 0.1 |
| | Total | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 3 | 0.9 | 0 | 0.0 | 4 | 0.3 |
| exudative change | Male | 0 | 0.0 | 0 | 0.0 | 2 | 1.2 | 0 | 0.0 | 0 | 0.0 | 2 | 0.3 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | Total | 0 | 0.0 | 0 | 0.0 | 2 | 0.6 | 0 | 0.0 | 0 | 0.0 | 2 | 0.1 |
| epiretinal membrane | Male | 0 | 0.0 | 3 | 1.9 | 2 | 1.2 | 3 | 1.8 | 0 | 0.0 | 8 | 1.1 |
| | Female | 1 | 0.5 | 0 | 0.0 | 2 | 1.3 | 3 | 1.8 | 0 | 0.0 | 6 | 0.8 |
| | Total | 1 | 0.3 | 3 | 1.0 | 4 | 1.2 | 6 | 1.8 | 0 | 0.0 | 14 | 1.0 |
| others | Male | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.1 |
| | Female | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.6 | 0 | 0.0 | 1 | 0.1 |
| | Total | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 1 | 0.3 | 0 | 0.0 | 2 | 0.1 |
| invisible | Male | 4 | 2.2 | 2 | 1.3 | 17 | 10.5 | 24 | 14.1 | 10 | 19.2 | 57 | 7.9 |
| | Female | 2 | 1.0 | 8 | 5.4 | 12 | 7.5 | 26 | 15.6 | 7 | 13.2 | 55 | 7.6 |
| | Total | 6 | 1.6 | 10 | 3.3 | 29 | 9.0 | 50 | 14.8 | 17 | 16.2 | 112 | 7.7 |