Supplemental Table 3. Descriptive statistics of self-reported visual function between first-year Michigan Screening and Intervention for Glaucoma and eye Health through Telemedicine (MI-SIGHT) participants with and without pathology.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Condition | n | Mean (SD), Median | n | Mean (SD), Median | P-value\* |
| **Visual Impairment** |  | **Pathology** |  | **No Pathology** |  |
| VFQ Composite | 120 | 64.3 (21.3), 65.6 | 1038 | 81.4 (13.6), 83.9 | <0.0001 |
| General Vision | 119 | 57.3 (22.4), 60.0 | 1031 | 70.7 (17.6), 80.0 | <0.0001 |
| Near Activities | 120 | 63.8 (26.5), 66.7 | 1037 | 81.4 (17.8), 83.3 | <0.0001 |
| Distance Activities | 115 | 69.6 (29.4), 75.0 | 1011 | 87.4 (20.0), 100.0 | <0.0001 |
| Mental Health | 120 | 41.3 (31.2), 50.0 | 1038 | 60.9 (29.1), 75.0 | <0.0001 |
| Role Difficulties | 119 | 75.6 (32.3), 100.0 | 1028 | 88.2 (25.7), 100.0 | <0.0001 |
| Driving | 85 | 70.6 (36.0), 75.0 | 960 | 92.4 (16.8), 100.0 | <0.0001 |
| Peripheral Vision | 117 | 76.1 (27.3), 75.0 | 1027 | 90.8 (16.5), 100.0 | <0.0001 |
| **Refractive Error** |  |  |  |  |  |
| VFQ Composite | 96 | 67.3 (19.6), 68.1 | 1061 | 80.7 (14.6), 83.9 | <0.0001 |
| General Vision | 95 | 59.4 (22.5), 60.0 | 1054 | 70.3 (17.9), 80.0 | <0.0001 |
| Near Activities | 96 | 66.9 (25.2), 75.0 | 1060 | 80.7 (18.7), 83.3 | <0.0001 |
| Distance Activities | 92 | 72.6 (29.2), 75.0 | 1033 | 86.7 (20.7), 100.0 | <0.0001 |
| Mental Health | 96 | 41.4 (30.7), 50.0 | 1061 | 60.5 (29.3), 50.0 | <0.0001 |
| Role Difficulties | 95 | 79.2 (30.9), 100.0 | 1051 | 87.6 (26.2), 100.0 | 0.0009 |
| Driving | 73 | 77.1 (30.5), 100.0 | 971 | 91.7 (18.6), 100.0 | <0.0001 |
| Peripheral Vision | 94 | 79.0 (26.5), 100.0 | 1049 | 90.2 (17.3), 100.0 | <0.0001 |
| **Glaucoma** |  |  |  |  |  |
| VFQ Composite | 284 | 78.6 (16.1), 81.7 | 872 | 80.0 (15.1), 83.9 | 1.0000 |
| General Vision | 283 | 68.7 (20.2), 60.0 | 865 | 69.6 (17.9), 80.0 | 1.0000 |
| Near Activities | 284 | 79.6 (20.1), 83.3 | 871 | 79.7 (19.4), 83.3 | 1.0000 |
| Distance Activities | 272 | 84.5 (23.0), 100.0 | 852 | 86.0 (21.3), 100.0 | 1.0000 |
| Mental Health | 284 | 54.7 (30.6), 50.0 | 872 | 60.3 (29.6), 75.0 | 0.0393 |
| Role Difficulties | 282 | 85.5 (27.8), 100.0 | 863 | 87.4 (26.3), 100.0 | 1.0000 |
| Driving | 242 | 90.5 (22.1), 100.0 | 801 | 90.9 (19.1), 100.0 | 1.0000 |
| Peripheral Vision | 281 | 88.9 (18.6), 100.0 | 861 | 89.6 (18.1), 100.0 | 1.0000 |
| **Visually Significant Cataract** |  |  |  |  |  |
| VFQ Composite | 60 | 69.9 (20.6), 71.5 | 911 | 79.8 (15.3), 83.9 | 0.0009 |
| General Vision | 60 | 57.3 (21.0), 60.0 | 903 | 69.8 (18.3), 80.0 | <0.0001 |
| Near Activities | 60 | 72.7 (25.1), 75.0 | 910 | 79.7 (19.4), 83.3 | 0.1051 |
| Distance Activities | 58 | 74.6 (26.7), 75.0 | 887 | 86.2 (21.5), 100.0 | 0.0005 |
| Mental Health | 60 | 47.5 (36.2), 50.0 | 911 | 58.7 (29.5), 50.0 | 0.0417 |
| Role Difficulties | 60 | 80.8 (31.0), 100.0 | 901 | 87.0 (27.0), 100.0 | 0.1051 |
| Driving | 41 | 77.4 (32.5), 100.0 | 833 | 90.6 (19.9), 100.0 | 0.0080 |
| Peripheral Vision | 59 | 78.0 (24.6), 75.0 | 900 | 89.7 (18.2), 100.0 | <0.0001 |
| **Diabetic Retinopathy** |  |  |  |  |  |
| VFQ Composite | 85 | 72.1 (20.4), 75.6 | 1073 | 80.2 (14.9), 83.9 | 0.0024 |
| General Vision | 83 | 64.6 (20.6), 60.0 | 1067 | 69.7 (18.4), 80.0 | 0.0675 |
| Near Activities | 85 | 71.8 (24.9), 75.0 | 1072 | 80.2 (19.0), 83.3 | 0.0255 |
| Distance Activities | 79 | 75.6 (25.9), 75.0 | 1047 | 86.3 (21.3), 100.0 | 0.0003 |
| Mental Health | 85 | 51.5 (32.1), 50.0 | 1073 | 59.4 (29.7), 50.0 | 0.0530 |
| Role Difficulties | 84 | 81.3 (30.8), 100.0 | 1063 | 87.3 (26.3), 100.0 | 0.0675 |
| Driving | 70 | 80.7 (29.8), 100.0 | 975 | 91.4 (18.9), 100.0 | 0.0013 |
| Peripheral Vision | 84 | 83.6 (23.1), 100.0 | 1060 | 89.7 (18.0), 100.0 | 0.0472 |
| **Age-Related Macular Degeneration** |  |  |  |  |  |
| VFQ Composite | 23 | 68.9 (17.5), 73.1 | 1135 | 79.8 (15.4), 83.9 | 0.0112 |
| General Vision | 23 | 62.6 (17.4), 60.0 | 1127 | 69.5 (18.6), 80.0 | 0.2730 |
| Near Activities | 23 | 66.7 (22.5), 75.0 | 1134 | 79.8 (19.5), 83.3 | 0.0208 |
| Distance Activities | 21 | 75.0 (25.0), 75.0 | 1105 | 85.7 (21.7), 100.0 | 0.0812 |
| Mental Health | 23 | 54.3 (31.7), 50.0 | 1135 | 58.9 (29.9), 50.0 | 0.4583 |
| Role Difficulties | 23 | 69.6 (35.3), 75.0 | 1124 | 87.3 (26.4), 100.0 | 0.0036 |
| Driving | 19 | 84.2 (27.9), 100.0 | 1026 | 90.8 (19.8), 100.0 | 0.3770 |
| Peripheral Vision | 21 | 81.0 (20.8), 75.0 | 1123 | 89.4 (18.4), 100.0 | 0.0838 |
| **Any\*\*** |  |  |  |  |  |
| VFQ Composite | 441 | 75.1 (18.1), 78.7 | 716 | 82.4 (12.8), 84.4 | <0.0001 |
| General Vision | 438 | 66.2 (20.8), 60.0 | 712 | 71.2 (16.8), 80.0 | <0.0001 |
| Near Activities | 442 | 75.4 (22.5), 83.3 | 715 | 82.2 (17.3), 83.3 | <0.0001 |
| Distance Activities | 423 | 80.5 (25.3), 100.0 | 703 | 88.6 (18.8), 100.0 | <0.0001 |
| Mental Health | 442 | 52.0 (31.3), 50.0 | 716 | 63.0 (28.3), 75.0 | <0.0001 |
| Role Difficulties | 439 | 82.7 (29.7), 100.0 | 708 | 89.5 (24.3), 100.0 | <0.0001 |
| Driving | 372 | 86.6 (25.3), 100.0 | 673 | 92.9 (15.9), 100.0 | 0.0002 |
| Peripheral Vision | 437 | 85.6 (21.6), 100.0 | 707 | 91.5 (15.7), 100.0 | <0.0001 |

\*VFQ differences between those with and without pathology tested by 2-sample Wilcoxon test with adjustment for multiple comparisons using Holm's procedure

\*\*Visual impairment, glaucoma, visually significant cataract, diabetic retinopathy, age-related macular degeneration

VFQ, Visual Function Questionnaire; SD, Standard Deviation