**Supplemental Figure 1:** Demographics, barriers to care, and visual acuity data from previous vision screening events. Numbers represent the number of people screened with percentages in parentheses.

| | | HOMES (n = 19) | OpenGate (n = 12) | Casa Maria (n = 18) | Dia De La Mujer Latina (n = 134) |
|---|---|---|---|---|---|
| **Age Groups** | 18-29 | 3 (15.8) | 6 (50.0) | 1 (5.6) | 15 (11.2) |
| | 30-49 | 6 (31.6) | 4 (33.3) | 10 (55.6) | 79 (59.0) |
| | 50-64 | 8 (42.1) | 2 (16.7) | 7 (38.9) | 32 (23.9) |
| | 65+ | 2 (10.5) | 0 (0.0) | 0 (0.0) | 8 (6.0) |
| **Sex** | Male | 10 (52.6) | 11 (91.7) | 3 (16.7) | 21 (15.7) |
| | Female | 8 (42.1) | 1 (8.3) | 15 (83.3) | 113 (84.3) |
| | Transgender | 1 (5.3) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| **Ethnicity** | Caucasian | 4 (21.1) | 1 (8.3) | 3 (16.7) | 0 (0.0) |
| | African American | 7 (36.8) | 6 (50.0) | 0 (0.0) | 1 (0.7) |
| | Hispanic/Latino | 5 (26.3) | 3 (25.0) | 13 (72.2) | 108 (80.6) |
| | Native American | 0 (0.0) | 0 (0.0) | 0 (0.0) | 11 (8.2) |
| | Multiple | 2 (10.5) | 0 (0.0) | 0 (0.0) | 9 (6.7) |
| | Other | 1 (5.3) | 1 (8.3) | 2 (11.1) | 1 (0.7) |
| | (Missing) | 0 (0.0) | 1 (8.3) | 0 (0.0) | 4 (3.0) |
| **Insurance** | Uninsured | 12 (63.2) | 12 (100.0) | 17 (94.4) | 104 (77.6) |
| | Private | 0 (0.0) | 0 (0.0) | 0 (0.0) | 2 (1.5) |
| | Medicare | 1 (5.3) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| | Medicaid | 3 (15.8) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| | County/City Health | 0 (0.0) | 0 (0.0) | 0 (0.0) | 1 (0.7) |
| | Goldcard | 2 (10.5) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| | Affordable Care Act | 0 (0.0) | 0 (0.0) | 0 (0.0) | 1 (0.7) |
| | Molina | 1 (5.3) | 0 (0.0) | 0 (0.0) | 0 (0.0) |
| | (Missing) | 0 (0.0) | 0 (0.0) | 1 (5.6) | 26 (19.4) |
| **Last Eye Exam** | Less than 1 year | 1 (5.3) | 3 (25.0) | 1 (5.6) | 8 (6.0) |
| | 1-2 years | 5 (26.3) | 3 (25.0) | 4 (22.2) | 37 (27.6) |
| | 3-5 years | 5 (26.3) | 2 (16.7) | 4 (22.2) | 34 (25.4) |
| | More than 5 years | 8 (42.1) | 3 (25.0) | 3 (16.7) | 24 (17.9) |
| | Never | 0 (0.0) | 1 (8.3) | 5 (27.8) | 29 (21.6) |
| | (Missing) | 0 (0.0) | 0 (0.0) | 1 (5.6) | 2 (1.5) |
| **Barriers to Care** | Cost | 7 (28.0) | 5 (38.5) | 6 (33.3) | 99 (63.5) |
| | Lack of Transportation | 7 (28.0) | 3 (23.1) | 0 (0.0) | 4 (2.6) |
| | Lack of Knowledge | 3 (12.0) | 0 (0.0) | 0 (0.0) | 11 (7.1) |
| | Clinic Waiting Time | 1 (4.0) | 0 (0.0) | 0 (0.0) | 8 (5.1) |
| | Fear of Doctors | 0 (0.0) | 0 (0.0) | 0 (0.0) | 5 (3.2) |
| | Fear of Treatment | 0 (0.0) | 0 (0.0) | 0 (0.0) | 1 (0.6) |
| | Other | 0 (0.0) | 1 (7.7) | 1 (5.6) | 8 (5.1) |
| | None | 3 (12.0) | 3 (23.1) | 5 (27.8) | 9 (5.8) |
| | (Missing) | 4 (16.0) | 1 (7.7) | 6 (33.3) | 11 (7.1) |
| **Distance Visual Acuity** | 20/20 | 4 (10.5) | 1 (4.2) | 10 (27.8) | 25 (9.3) |
| | 20/30 | 4 (10.5) | 4 (16.7) | 5 (13.9) | 55 (20.5) |
| | 20/40 | 4 (10.5) | 2 (8.3) | 9 (25.0) | 37 (13.8) |
| | 20/50 | 3 (7.9) | 0 (0.0) | 6 (16.7) | 45 (16.8) |
| | 20/70 | 3 (7.9) | 0 (0.0) | 2 (5.6) | 35 (13.1) |
| | 20/100 | 4 (10.5) | 1 (4.2) | 1 (2.8) | 22 (8.2) |
| | 20/200 | 14 (36.8) | 15 (62.5) | 3 (8.3) | 40 (14.9) |
| | unable to screen | 2 (5.3) | 1 (4.2) | 0 (0.0) | 9 (3.4) |
| **Near Visual Acuity** | 20/20 | 4 (10.5) | 3 (12.5) | 9 (25.0) | 17 (6.3) |
| | 20/30 | 8 (21.1) | 6 (25.0) | 13 (36.1) | 37 (13.8) |
| | 20/40 | 5 (13.2) | 2 (8.3) | 5 (13.9) | 40 (14.9) |
| | 20/50 | 5 (13.2) | 1 (4.2) | 3 (8.3) | 39 (14.6) |
| | 20/70 | 2 (5.3) | 2 (8.3) | 2 (5.6) | 44 (16.4) |
| | 20/100 | 8 (21.1) | 2 (8.3) | 2 (5.6) | 72 (26.9) |
| | 20/200 | 1 (2.6) | 7 (29.2) | 2 (5.6) | 1 (0.4) |
| | unable to screen | 5 (13.2) | 1 (4.2) | 0 (0.0) | 18 (6.7) |