SYSTEMIC CONDITIONS ASSOCIATED WITH DRY EYE SEVERITY

Supplemental Table 2. Associations of age, sex, and race with severity of dry eye signs and symptoms at baseline.

| | Age | | Sex | | | Race | | | | |
| | | | **Female (N=434)** | **Male (N=101)** | | **White (N=398)** | **Black (N=64)** | **Asian (N=19)** | **Other (N=54)** | |
Dry eye signs	Generalized linear coefficient (SE)	p*	Mean (SD)	Mean (SD)	p*	Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)	p*
OSDI	-0.072 (0.051)	0.16	42.6 (15.5)	39.8 (15.4)	0.09	42.5 (15.4)	37.9 (14.6)	39.3 (12.9)	45.0 (17.3)	0.048
Tear break-up time (seconds)	-0.009 (0.005)	0.08	3.1 (1.8)	3.3 (1.5)	0.11	3.1 (1.7)	3.1 (1.9)	3.0 (1.4)	3.7 (1.7)	0.03
Schirmer's test (mm/5min)	-0.07 (0.023)	0.002	9.0 (6.6)	12.2 (8.3)	<.001	8.8 (6.6)	10.8 (6.8)	11.6 (8.9)	12.8 (8.6)	<.001
Fluorescein staining of cornea	0.039 (0.008)	<.001	4.0 (3.0)	2.9 (2.5)	<.001	4.0 (3.0)	3.6 (2.5)	3.9 (2.6)	2.3 (3.0)	<.001
Lissamine green staining of conjunctiva	0.004 (0.004)	0.31	3.0 (1.5)	2.7 (1.4)	0.02	2.9 (1.5)	2.5 (1.3)	3.1 (1.7)	3.4 (1.6)	0.001
Tear osmolarity (mOsm/L)	0.100 (0.052)	0.052	302.7 (15.7)	302.6 (18.4)	0.97	302.4 (15.8)	306.5 (18.0)	303.7 (15.1)	300.3 (16.7)	0.26
Meibomian gland dysfunction	0.004 (0.003)	0.16	1.57 (0.92)	1.43 (0.92)	0.11	1.52 (0.90)	1.45 (0.99)	1.62 (1.01)	1.79 (0.96)	0.11
Composite dry eye severity score based on Signs	0.001 (0.0004)	<.001	0.47 (0.12)	0.42 (0.10)	<.001	0.47 (0.13)	0.44 (0.10)	0.46 (0.12)	0.43 (0.12)	0.06

*P-values for the statistical significance of association between age, sex, or race and the outcome measure of interest were calculated from generalized linear regression models. Generalized estimating equations (GEE) were used to account for inter-eye correlations within the same subject.