**Supplemental Materials**

**Table S1.**

*Measurement fit indices for continuous variables.*

|  |  |  |  |
| --- | --- | --- | --- |
| Measure | DF | CFI | RMSEA |
| Life Satisfaction | 5 | .991 | .079 |
| Discrimination | 25 | .969 | *.082* |
| Stigmatization | 0 | 1.000 | .000 |
| Victimization | 8 | .986 | .060 |
| Internalized Homophobia | 1 | 1.000 | .000 |
| Sexual Identity Concealment | 2 | .993 | .080 |
| General Stress | 54 | *.566* | *.103* |
| Perceived Social Support | 50 | .979 | .069 |
| LGBTQ+ Community Connectedness | 7 | .984 | .081 |
| Sexual Identity Centrality | 4 | .995 | .054 |

*Note*. DF = Degrees of Freedom. CFI = Confirmatory Fit Index. RMSEA = Root Mean Square Error of Approximation. Values represent the final fit indices from confirmatory factor analysis models. Italicized values indicate fit indices that did not meet our criteria (CFI > .95, RMSEA < .08) of good fit even after introducing dependencies. We did not use standardized factor scores for general stress given the poor overall fit of the model and instead used the raw sum scores in all specification curve models. We elected to accept the fit for discrimination and LGBTQ+ community connectedness because of 1) how close RMSEA values were to our cutoff and 2) not wanting to oversaturate the model with dependencies. See our codebook for item level details about these dependencies.

**Table S2.**

*Measurement invariance models across age groups*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Measurement Model | CFI | ΔCFI | RMSEA | ΔRMSEA |
| Life Satisfaction | Configural | .988 |  | .094 |  |
|  | Metric | .984 | -.004 | .087 | -.007 |
|  | Scalar | .977 | -.006 | .089 | .002 |
| Discrimination | Configural | .967 |  | .082 |  |
|  | Metric | .962 | -.005 | .080 | -.002 |
|  | Scalar♦ | .956 | -.006 | .080 | .000 |
| Stigmatization | Configural | 1.000 |  | .000 |  |
|  | Metric♦ | 1.000 | .000 | .000 | .000 |
|  | Scalar | .999 | -.001 | .053 | .053 |
| Victimization | Configural | .985 |  | .061 |  |
|  | Metric | .978 | -.006 | .061 | .000 |
|  | Scalar♦ | .974 | -.004 | .061 | -.001 |
| Internalized Homophobia | Configural | 1.00 |  | .000 |  |
|  | Metric | .999 | -.001 | .025 | .025 |
|  | Scalar | .998 | -.001 | .029 | .004 |
| Sexual Identity Concealment | Configural | .996 |  | .058 |  |
|  | Metric | .990 | .074 | .074 | .016 |
|  | Scalar | .959 | .129 | .129 | .054 |

*Note*. CFI = Confirmatory Fit Index. RMSEA = Root Mean Square Error of Approximation.♦ Indicates partial invariance for that model was achieved. Grayed models indicate the measurement invariance achieved for each measure. See our codebook for item level details about testing measurement invariance.

**Table S3.**

*Measurement invariance models across sexual identities*.

*Note*. CFI = Confirmatory Fit Index. RMSEA = Root Mean Square Error of Approximation.♦ Indicates partial invariance for that model was achieved. Grayed models indicate the measurement invariance achieved for each measure. See our codebook for item level details about testing measurement invariance.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Measurement Model | CFI | ΔCFI | RMSEA | ΔRMSEA |
| Life Satisfaction | Configural | .983 |  | .110 |  |
|  | Metric | .984 | .001 | .091 | -.019 |
|  | Scalar | .982 | -.001 | .081 | -.010 |
| Discrimination | Configural | .966 |  | .084 |  |
|  | Metric | .966 | .000 | .077 | -.007 |
|  | Scalar | .960 | -.006 | .077 | .000 |
| Stigmatization | Configural | 1.000 |  | .000 |  |
|  | Metric♦ | 1.000 | .000 | .000 | .000 |
|  | Scalar | 1.000 | .000 | .015 | .015 |
| Victimization | Configural | .987 |  | .057 |  |
|  | Metric | .986 | -.002 | .051 | -.006 |
|  | Scalar | .976 | -.009 | .057 | .006 |
| Internalized Homophobia | Configural | 1.000 |  | .000 |  |
|  | Metric | .999 | -.001 | .025 | .025 |
|  | Scalar | .991 | -.008 | .055 | .029 |
| Sexual Identity Concealment | Configural | .992 |  | .073 |  |
|  | Metric♦ | .983 | -.009 | .082 | .009 |
|  | Scalar | .939 | -.044 | .050 | .050 |

**Table S4.**

*Measurement invariance models across racial/ethnic identities*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | Measurement Model | CFI | ΔCFI | RMSEA | ΔRMSEA |
| Life Satisfaction | Configural | .988 |  | .091 |  |
|  | Metric | .988 | .000 | .074 | -.017 |
|  | Scalar | .989 | .001 | .061 | -.012 |
| Discrimination | Configural | .965 |  | .086 |  |
|  | Metric | .958 | -.006 | .084 | -.001 |
|  | Scalar | .949 | -.009 | .086 | .002 |
| Stigmatization | Configural | 1.000 |  | .000 |  |
|  | Metric | 1.000 | .000 | .000 | .000 |
|  | Scalar | 1.000 | .000 | .000 | .000 |
| Victimization | Configural | .984 |  | .064 |  |
|  | Metric | .984 | .000 | .054 | -.010 |
|  | Scalar♦ | .977 | -.007 | .058 | .004 |
| Internalized Homophobia | Configural | 1.000 |  | .000 |  |
|  | Metric | 1.000 | .000 | .000 | .000 |
|  | Scalar | .996 | -.004 | .029 | .029 |
| Sexual Identity Concealment | Configural | .993 |  | .081 |  |
|  | Metric | .994 | .001 | .054 | -.028 |
|  | Scalar | .993 | -.001 | .046 | -.007 |

*Note*. CFI = Confirmatory Fit Index. RMSEA = Root Mean Square Error of Approximation.♦ Indicates partial invariance for that model was achieved. Grayed models indicate the measurement invariance achieved for each measure. See our codebook for item level details about testing measurement invariance.

**Table S5.**

*Standardized main and adjusted effect sizes of minority stressors on life satisfaction*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Stressor | Main Effect  [95% CI] | *p* | *R2* | Average Adjusted Effect Size  [95% CI Min and Max] | Range of Effect Sizes |
| Discrimination | **-.36\*\*\* [-.41, -.31]** | <.001 | .12 | **-.20 [-.42, -.02]** | -.36 to -.08 |
| Stigmatization | **-.30\*\*\* [-.36, -.25]** | <.001 | .07 | **-.17 [-.36, -.03]** | -.30 to -.09 |
| Victimization | **-.23\*\*\* [-.29, -.18]** | <.001 | .05 | -.11 [-.31, .01] | -.25 to -.03 |
| Internalized Homophobia | **-.17\*\*\* [-.22, -.12]** | <.001 | .03 | -.09 [-.22, .01] | -.17 to -.04 |
| Sexual Identity Concealment | **-.15\*\*\* [-.21, -.09]** | <.001 | .02 | **-.09 [-.23, -.00]** | -.17 to -.05 |
| General | **-.51\*\*\* [-.55, -.47]** | <.001 | .28 | **-.46 [-.55, -.38]** | -.51 to -.43 |

*Note*. \*\*\**p* < .001. CI = Confidence intervals. Bolded values with grayed boxes indicate significant effects. Brackets represent 95% confidence intervals from the lowest minimum and maximum confidence interval values from across all relevant models

**Table S6.**

*Standardized effect sizes of moderator interaction term*s

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Perceived Social Support | | | LGBTQ+ Community Connectedness | | | Sexual Identity Centrality | | |
| Stressor | Main | *p* | Adjusted | Main | *p* | Adjusted | Main | *p* | Adjusted |
| Discrimination | .004  [-.035, .043] | .849 | -.001  [-.055, .053] Range = -.014 to .014 | -.017  [-.066, .033] | .507 | .002  [-.077, .068] Range = -.021 to .022 | -.040  [-.093, .012] | .132 | -.025  [-.108, .045] Range = -.05 to -.009 |
| Stigmatization | .030  [-.015, .075] | .186 | .026  [-.039, .087] Range = .008 to .043 | .030  [-.026, .085] | .291 | .046  [-.046, .111]  Range = .017 to .060 | -.008  [-.066, .049] | .779 | .010  [-.095, .088] Range = -.030 to .032 |
| Victimization | .001  [-.043, .044] | .965 | -.008  [-.050, .063] Range = -.039 to .015 | .055  [-.002, .112] | .059 | .065  [-.009, .136]  Range = .055 to .073 | .005  [-.052, .063] | .853 | .027  [-.071, .117] Range = -.013 to .059 |
| Internalized Homophobia | -.027  [-.068, .015] | .212 | -.016  [-.078, .036] Range = -.035 to -.002 | .014  [-.038, .065] | .607 | .034  [-.061, .111]  Range = -.001 to .063 | -.010  [-.063, .044] | .723 | .004  [-.087, .085] Range = -.028 to .027 |
| Sexual Identity Concealment | -.030  [-.079, .020] | .241 | -.020  [-.080, .041] Range = -.030 to -.008 | -.010  [-.073, .053] | .759 | -.001  [-.078, .063] Range = -.017 to .009 | .029  [-.037, .096] | .385 | .049  [-.037, .121] Range = .029 to .064 |
| General | -.021  [-.055, .014] | .236 | -.018  [-.059, .024] Range = -.024 to -.013 | .026  [-.020, .073] | .267 | .032  [-.027, .090] Range = .024 to .040 | .026  [-.020, .073] | .269 | .036  [-.021, .097] Range = .026 to .046 |

*Note*. Brackets represent 95% confidence intervals.

**Table S7.**

*Standardized effect sizes of minority stressors across age, sexual identity, and racial/ethnic groups*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Main Effect | | | | | | Adjusted Effect | | | | | |
| Stressors | *b* | *p* | *b* | *p* | *b* | *p* | *b* | Range | *b* | Range | *b* | Range |
| Age | Young |  | Middle |  | Older |  | Young |  | Middle |  | Older |  |
| Discrimination | -.23  [-.28, -.17] | <.001 | -.37  [-.46, -.29] | <.001 | -.30  [-.39, -.21] | <.001 | -.14  [-.23, -.06] | -.30 to .02 | -.25  [-.46, -.06] | -.37 to -.15 | -.13  [-.43, .13] | -.33 to .03 |
| Stigmatization | -.24  [-.31, -.17] | <.001 | -.33  [-.44, -.22] | <.001 | -.32  [-.42, -.23] | <.001 | -.12  [-.32, .04] | -.24 to -.05 | -.14  [-.44, .08] | -.33 to -.04 | -.23  [-.44, -.07] | -.32 to -.17 |
| Victimization | -.20  [-.27, -.13] | <.001 | -.26  [-.37, -.16] | <.001 | -.26  [-.36, -.17] | <.001 | -.09  [-.31, .08] | -.23 to .001 | -.08  [-.37, .14] | -.26 to .03 | -.18  [-.41, -.01] | -.31 to -.10 |
| Internalized Homophobia | -.10  [-.17, -.04] | .002 | -.21  [-.31, -.11] | <.001 | -.17  [-.27, -.07] | <.001 | -.06  [-.17, -.01] | -.11 to -.03 | -.10  [-.31, .08] | -.22 to -.02 | -.10  [-.27, 05] | -.27 to .05 |
| Sexual Identity Concealment | -.09  [-.16, -.01] | .021 | -.14  [-.24, -.04] | .007 | -.12  [-.22, -.02] | .024 | -.06  [-.16, .03] | -.08 to -.04 | -.11  [-.26, .01] | -.16 to -.07 | -.04  [-.22, .11] | -.12 to .02 |
| General | -.42  [-.47, -.36] | <.001 | -.55  [-.64, -.47] | <.001 | -.58  [-.67, -.49] | <.001 | -.39  [-.49, -.30] | -.42 to -.36 | -.46  [-.64, -.30] | -.55 to -.41 | -.53  [-.68, .39] | -.59 to -.39 |
| Sexual Identity | Gay/Lesbian |  | Bisexual |  | Other |  | Gay/Lesbian |  | Bisexual |  | Other |  |
| Discrimination | -.36  [-.43, -.30] | <.001 | -.27  [-.35, -.19] | <.001 | -.34  [-.48, -.21] | <.001 | -.19  [-.54, .17] | -.41 to .04 | -.13  [-.46, .22] | -.28 to -.01 | -.20  [-.50, .14] | -.34 to -.05 |
| Stigmatization | -.35  [-.42, -.28] | <.001 | -.20  [-.29, -.11] | <.001 | -.28  [-.41, -.14] | <.001 | -.24  [-.52, -.03] | -.38, -.11 | -.11  [-.47, .23] | -.27 to -.02 | -.21  [-.50, .01] | -.30 to -.14 |
| Victimization | -.21  [-.28, -.14] | <.001 | -.19  [-.27, -.12] | <.001 | -.22  [-.34, -.09] | <.001 | -.15  [-.45, .03] | -.33 to -.04 | -.12  [-.45, .17] | -.28 to -.04 | -.12  [-.40, .13] | -.23 to -.02 |
| Internalized Homophobia | -.17  [-.29, -.06] | .003 | -.19  [-.39, .01] | .068 | -.29  [-.50, -.09] | .005 | -.07  [-.29, .11] | -.17 to .001 | -.14  [-.49, .16] | -.25 to -.06 | -.23  [-.51, .02] | -.31 to -.18 |
| Sexual Identity Concealment | -.15  [-.23, -.06] | <.001 | -.01  [-.09, .07] | .742 | -.12  [-.24, -.01] | .035 | -.06  [-.25, .17] | -.17 to .04 | -.01  [-.16, .23] | -.06 to .07 | -.04  [-.26, .21] | -.15 to .06 |
| General | -.54  [-.60, -.48] | <.001 | -.45  [-.52, -.37] | <.001 | -.48  [-.60, -.36] | <.001 | -.53  [-.73, -.39] | -.62 to -.46 | -.44  [-.67, -.19] | -.51 to -.39 | -.40  [-.61, -.15] | -.48 to -.33 |
| Race/Ethnicity | Black |  | Latine |  | White |  | Black |  | Latine |  | White |  |
| Discrimination | -.25  [-.36, -.14] | <.001 | -.24  [-.34, -.14] | <.001 | -.37  [-.43, -.31] | <.001 | -.08  [-.37, .37] | -.25 to .14 | -.20  [-.72, .27] | -.42 to -.02 | -.16  [-.46, .18] | -.37 to .03 |
| Stigmatization | -.35  [-.49, -.21] | <.001 | -.32  [-.45, -.18] | <.001 | -.28  [-.35, -.22] | <.001 | -.23  [-.52, .07] | -.35 to -.12 | -.21  [-.71, .29] | -.37 to -.10 | -.20  [-.46, .004] | -.33 to -.07 |
| Victimization | -.15  [-.29, -.01] | .037 | -.07  [-.17, .03] | .168 | -.30  [-.37, -.24] | <.001 | -.05  [-.48, .27] | -.21 to .10 | .01  [-.36, .41] | -.16 to .15 | -.18  [-.40, -.01] | -.30 to -.10 |
| Internalized Homophobia | -.14  [-.29, .02] | .080 | .01  [-.22, .23] | .951 | -.21  [-.32, -.10] | <.001 | -.14  [-.35, .08] | -.16 to -.11 | .09  [-.22, .44] | .01 to .18 | -.11  [-.32, .07] | -.21 to -.03 |
| Sexual Identity Concealment | -.11  [-.25, .04] | .148 | -.10  [-.23, .02] | .107 | -.17  [-.25, -.10] | <.001 | -.07  [-.36, .20] | -.14 to -.02 | -.14  [-.56, .13] | -.27 to -.03 | -.10  [-.29, .12] | -.18 to -.004 |
| General | -.38  [-.49, -.27] | <.001 | -.43  [-.52, -.35] | <.001 | -.55  [-.60, -.49] | <.001 | -.33  [-.54, -.08] | -.40 to -.27 | -.39  [-.68, .03] | -.45 to -.26 | -.52  [-.71, -.38] | -.60 to -.46 |

*Note*. Brackets represent 95% confidence intervals.

A screen shot of a graph

AI-generated content may be incorrect.

**Figure S1**. Standardized effect sizes of moderators on the influence of stressors on life satisfaction.

A screenshot of a graph

AI-generated content may be incorrect.

**Figure S2.** Standardized effect sizes of stressors on life satisfaction across age groups.

A screenshot of a graph

AI-generated content may be incorrect.

**Figure S3.** Standardized effect sizes of stressors on life satisfaction across sexual identity groups.

A screenshot of a graph

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**Figure S4.** Standardized effect sizes of stressors on life satisfaction across racial/ethnic groups.