

Online supplementary materials for:

The development and validation of the Compassion Scale

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Table S1

Standardized parameter estimates for the six-factor CFA and ESEM models of Study 1 (N = 465)

| IC | Item | CFA | ESEM | | | | | |
|----|------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | | SF (λ) | K (λ) | CH (λ) | M (λ) | I (λ) | S (λ) | D (λ) |
| K | CS6 | .790** | .700** | .135** | .053 | .141** | .021 | .018 |
| K | CS8 | .790** | .414** | .159** | .185** | .015 | .163** | .132* |
| K | CS16 | .623** | .532** | .194** | .039 | .111 | .023 | .092 |
| K | CS24 | .788** | .689** | .071 | .221** | .141* | .111* | .059 |
| CH | CS11 | .693** | .029 | .782** | .041 | .067 | .003 | .095 |
| CH | CS15 | .863** | .265** | .608** | .134* | .021 | .010 | .032 |
| CH | CS17 | .722** | .120* | .495** | .130* | .088 | .117* | .068 |
| CH | CS20 | .445** | .009 | .583** | .052 | .032 | .108 | .148** |
| M | CS4 | .767** | .091 | .023 | .816** | .126* | .165** | .063 |
| M | CS9 | .551** | .181* | .061 | .328** | .403** | .191** | .291* |
| M | CS13 | .840** | .022 | .129** | .727** | .097 | .092 | .054 |
| M | CS21 | .521** | .012 | .245** | .496** | .210** | .080 | .117 |
| I | CS2 | .688** | .205** | .070 | .073 | .349** | .237** | .189 |
| I | CS12 | .630** | .252** | .066 | .014 | .355** | .147** | .122 |
| I | CS14 | .598** | .385** | .071 | .052 | .191* | .215** | .086 |
| I | CS18 | .619** | .348** | .251** | .329** | .001 | .216** | .027 |
| S | CS3 | .719** | .122 | .035 | .028 | .061 | .523** | .149* |
| S | CS5 | .681** | .029 | .039 | .066 | .261** | .509** | .064 |
| S | CS10 | .449** | .114 | .125* | .014 | .039 | .354** | .321** |
| S | CS22 | .712** | .104* | .157** | .071 | .014 | .872** | .243** |
| D | CS1 | .531** | .073 | .104* | .060 | .177 | .147* | .478** |
| D | CS7 | .692** | .051 | .019 | .416** | .491** | .159** | .073 |
| D | CS19 | .572** | .387** | .032 | .139* | .194* | .351** | .103 |
| D | CS23 | .500** | .172** | .072 | .165** | .027 | .412** | .199* |

Note. CFA: confirmatory factor analysis; ESEM: exploratory structural equation modeling; IC: Item Component; SF: Loading on respective specific factor when cross-loadings constrained to zero; K: Kindness; CH: Common Humanity; M: Mindfulness; I: Indifference; S: Separation; D: Disengagement; GF: General factor; λ : standardized factor loadings; Target loadings are in bold; Red indicates that target loadings are lower than ideal (i.e., $< .300$) as recommended by Morin, Myers, and Lee (2018).; Orange indicates that cross-loadings are close to ($\Delta < .100$; Morin et al., 2018) or higher than the target loadings.; * $p < .05$; ** $p < .01$.

Table S2

Standardized parameter estimates for the four-factor models of Study 2 (N = 510)

| IC | Item | CFA | ESEM | | | | Bifactor CFA | | Bifactor ESEM | | | | |
|----|------|------------------|-----------------|------------------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|------------------|-----------------|-----------------|
| | | SF (λ) | K (λ) | CH (λ) | M (λ) | I (λ) | GF (λ) | SF (λ) | GF(λ) | K (λ) | CH (λ) | M (λ) | I (λ) |
| K | CS6 | .890** | .771** | .137** | .040 | .115* | .795** | .431** | .731** | .541** | .094** | .031 | .096** |
| K | CS8 | .789** | .599** | .031 | .243** | .008 | .746** | .203** | .721** | .280** | .007 | .100* | .110** |
| K | CS16 | .704** | .555** | .212** | .120* | .159** | .659** | .206** | .629** | .283** | .144** | .112** | .032 |
| K | CS24 | .833** | .805** | .036 | .042 | .069 | .740** | .451** | .715** | .476** | .058 | .046 | .022 |
| CH | CS11 | .627** | .030 | .679** | .014 | .013 | .418** | .589** | .417** | .023 | .568** | .015 | .043 |
| CH | CS15 | .915** | .066 | .662** | .238** | .036 | .692** | .482** | .615** | .071 | .556** | .201** | .027 |
| CH | CS17 | .740** | .200** | .601** | .038 | .023 | .555** | .451** | .512** | .103* | .497** | .039 | .030 |
| CH | CS20 | .429** | .000 | .591** | .079 | .031 | .247** | .500** | .250** | .024 | .490** | .032 | .028 |
| M | CS4 | .767** | .041 | .030 | .881** | .016 | .630** | .721** | .634** | .021 | .007 | .570** | .037 |
| M | CS9 | .555** | .169* | .135** | .503** | .162** | .471** | .256** | .433** | .050 | .119** | .353** | .098 |
| M | CS13 | .833** | .233** | .035 | .689** | .031 | .710** | .314** | .701** | .071 | .021 | .396** | .115** |
| M | CS21 | .586** | .068 | .304** | .347** | .106 | .522** | .151** | .397** | .106* | .278** | .340** | .148* |
| I | CS14 | .592** | .262** | .157** | .127* | .343** | .501** | .232** | .697** | .226** | .251** | .212** | .097 |
| I | CS19 | .720** | .262** | .038 | .128* | .323** | .635** | .163** | .679** | .013 | .002 | .064 | .021 |
| I | CS22 | .766** | .097 | .060 | .019 | .897** | .609** | .506** | .644** | .003 | .014 | .011 | .706** |
| I | CS23 | .722** | .016 | .098** | .009 | .823** | .550** | .654** | .609** | .043 | .132** | .024 | .395** |

Note. CFA: confirmatory factor analysis; ESEM: exploratory structural equation modeling; IC: Item Component; SF: Loading on respective specific factor when cross-loadings constrained to zero; K: Kindness; CH: Common Humanity; M: Mindfulness; I: Indifference; CS: Compassion Scale; GF: General factor; λ : standardized factor loadings; Target loadings in bold.; * $p < .05$; ** $p < .01$.

Table S3

Standardized parameter estimates for the four-factor models of Study 4 (N = 1394)

| IC | Item | CFA | ESEM | | | | Bifactor CFA | | Bifactor ESEM | | | | |
|----|------|------------------|-----------------|------------------|----------------|----------------|------------------|------------------|------------------|-----------------|------------------|----------------|----------------|
| | | SF (λ) | K (λ) | CH (λ) | M(λ) | I(λ) | GF (λ) | SF (λ) | GF (λ) | K (λ) | CH (λ) | M(λ) | I(λ) |
| K | CS6 | .831** | .672** | .044 | .193** | .026 | .839** | .044 | .808** | .190** | .047* | .086** | .019 |
| K | CS8 | .790** | .612** | .044 | .198** | .048 | .798** | .042 | .756** | .207** | .027 | .095** | .078** |
| K | CS16 | .783** | .670** | .115** | .116** | .175** | .795** | .893 | .803** | .016 | .015 | .205** | .068** |
| K | CS24 | .854** | .899** | .018 | .070* | .050 | .853** | .013 | .823** | .265** | .036 | .057* | .118** |
| CH | CS11 | .729** | .002 | .777** | .020 | .048 | .443** | .653** | .422** | .139** | .691** | .081** | .000 |
| CH | CS15 | .886** | .045 | .644** | .232** | .007 | .603** | .554** | .632** | .124** | .518** | .098** | .127** |
| CH | CS17 | .804** | .114 | .594** | .107* | .031 | .555** | .504** | .598** | .159** | .456** | .004 | .111** |
| CH | CS20 | .508** | .070 | .803** | .136** | .017 | .231** | .660** | .240** | .053 | .651** | .003 | .080** |
| M | CS4 | .671** | .115* | .021 | .753** | .120** | .601** | .391** | .593** | .006 | .048* | .416** | .023 |
| M | CS9 | .611** | .315** | .085* | .350** | .107* | .562** | .174** | .559** | .082* | .110** | .184** | .077** |
| M | CS13 | .798** | .097 | .030 | .641** | .131** | .719** | .350** | .721** | .009 | .010 | .319** | .033 |
| M | CS21 | .622** | .065 | .285** | .420** | .044 | .565** | .199** | .546** | .011 | .267** | .224** | .098** |
| I | CS14 | .782** | .012 | .072** | .021 | .815** | .599** | .558** | .617** | .010 | .162** | .017 | .509** |
| I | CS19 | .845** | .021 | .024 | .055 | .778** | .675** | .493** | .700** | .080** | .100** | .022 | .456** |
| I | CS22 | .804** | .053 | .142** | .019 | .780** | .650** | .444** | .644** | .000 | .021 | .000 | .463** |
| I | CS23 | .781** | .172** | .057* | .020 | .667** | .619** | .470** | .603** | .170** | .103** | .005 | .491** |

Note. CFA: confirmatory factor analysis; ESEM: exploratory structural equation modeling; IC: Item Component; SF: Loading on respective specific factor when cross-loadings constrained to zero; K: Kindness; CH: Common Humanity; M: Mindfulness; I: Indifference; CS: Compassion Scale; GF: General factor; λ : standardized factor loadings; Target loadings in bold.; * $p < .05$; ** $p < .01$.

Table S4

Standardized parameter estimates for the four-factor models of Study 5 (N = 172)

| IC | Item | CFA | ESEM | | | | Bifactor CFA | | Bifactor ESEM | | | | |
|----|------|------------------|-----------------|------------------|-----------------|-----------------|------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|
| | | SF (λ) | K (λ) | CH (λ) | M (λ) | I (λ) | GF (λ) | SF (λ) | GF (λ) | K (λ) | CH (λ) | M (λ) | I (λ) |
| K | CS6 | .705** | .548** | .098 | .347** | .017 | — | — | .604** | .352** | .142 | .235** | .025 |
| K | CS8 | .723** | .555** | .114 | .233** | .126 | — | — | .665** | .246* | .149* | .078 | .008 |
| K | CS16 | .535** | .682** | .266** | .138 | .056 | — | — | .389** | .566** | .244** | .083 | .087 |
| K | CS24 | .693** | .545** | .074 | .094 | .299** | — | — | .669** | .269* | .028 | .238** | .067 |
| CH | CS11 | .642** | .268* | .639** | .135 | .214* | — | — | .240* | .271* | .632** | .047 | .008 |
| CH | CS15 | .861** | .210 | .713** | .185 | .006 | — | — | .410** | .142 | .680** | .156 | .001 |
| CH | CS17 | .825** | .371** | .709** | .075 | .036 | — | — | .345** | .284** | .673** | .045 | .020 |
| CH | CS20 | .528** | .194 | .794** | .053 | .011 | — | — | .028 | .073 | .786** | .006 | .020 |
| M | CS4 | .538** | .047 | .192* | .611** | .143 | — | — | .428** | .008 | .199* | .507** | .109 |
| M | CS9 | .579** | .179 | .126 | .037 | .366** | — | — | .574** | .047 | .090 | .158 | .021 |
| M | CS13 | .741** | .244** | .059 | .592** | .087 | — | — | .710** | .042 | .003 | .372** | .172** |
| M | CS21 | .251** | .117 | .349** | .557** | .182 | — | — | .096 | .008 | .366** | .614** | .008 |
| I | CS14 | .764** | .176 | .037 | .020 | .635** | — | — | .551** | .184** | .032 | .081 | .637** |
| I | CS19 | .600** | .061 | .186* | .054 | .595** | — | — | .505** | .108 | .174* | .026 | .322** |
| I | CS22 | .743** | .031 | .082 | .084 | .725** | — | — | .679** | .193* | .053 | .093 | .307** |
| I | CS23 | .604** | .165 | .082 | .053 | .547** | — | — | .477** | .094 | .080 | .063 | .354** |

Note. CFA: confirmatory factor analysis; ESEM: exploratory structural equation modeling; IC: Item Component; SF: Loading on respective specific factor when cross-loadings constrained to zero; K: Kindness; CH: Common Humanity; M: Mindfulness; I: Indifference; CS: Compassion Scale; GF: General factor; λ : standardized factor loadings; Target loadings in bold.; * $p < .05$; ** $p < .01$.

Table S5

Standardized parameter estimates for the four-factor models of Study 6 (N = 913)

| IC | Item | CFA | ESEM | | | | Bifactor CFA | | Bifactor ESEM | | | | |
|----|------|------------------|-----------------|------------------|-----------------|-----------------|------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|
| | | SF (λ) | K (λ) | CH (λ) | M (λ) | I (λ) | GF (λ) | SF (λ) | GF (λ) | K (λ) | CH (λ) | M (λ) | I (λ) |
| K | CS6 | .876** | .646** | .054* | .128** | .109** | — | — | .799** | .301** | .023 | .082** | .109** |
| K | CS8 | .803** | .637** | .137** | .210** | .092** | — | — | .773** | .203** | .162** | .024 | .069** |
| K | CS16 | .748** | .733** | .095** | .049 | .020 | — | — | .688** | .324** | .046 | .015 | .056** |
| K | CS24 | .846** | .839** | .041 | .038 | .024 | — | — | .810** | .293** | .093** | .040 | .041* |
| CH | CS11 | .760** | .122* | .806** | .121** | .043 | — | — | .503** | .084* | .643** | .003 | .014 |
| CH | CS15 | .883** | .019 | .652** | .159 | .119** | — | — | .647** | .023 | .501** | .037 | .006 |
| CH | CS17 | .465** | .126 | .605** | .115 | .087* | — | — | .307** | .106* | .481** | .007 | .153** |
| CH | CS20 | .778** | .060 | .661** | .158** | .095* | — | — | .564** | .058 | .514** | .030 | .026 |
| M | CS4 | .800** | .083 | .031 | .736** | .059* | — | — | .751** | .021 | .003 | .531** | .007 |
| M | CS9 | .547** | .358** | .133** | .149* | .045 | — | — | .542** | .056 | .062 | .035 | .081* |
| M | CS13 | .850** | .040 | .054 | .760** | .074* | — | — | .799** | .010 | .077** | .221** | .010 |
| M | CS21 | .660** | .187** | .403** | .292** | .114** | — | — | .610** | .016 | .315** | .084 | .151** |
| I | CS14 | .740** | .067 | .036 | .090* | .803** | — | — | .463** | .208** | .035 | .125** | .724** |
| I | CS19 | .809** | .026 | .132** | .114** | .828** | — | — | .588** | .037 | .018 | .034 | .535** |
| I | CS22 | .761** | .003 | .023 | .151** | .643** | — | — | .620** | .087* | .109** | .065 | .390** |
| I | CS23 | .748** | .009 | .018 | .093 | .673** | — | — | .622** | .147** | .100** | .135** | .409** |

Note. CFA: confirmatory factor analysis; ESEM: exploratory structural equation modeling; IC: Item Component; SF: Loading on respective specific factor when cross-loadings constrained to zero; K: Kindness; CH: Common Humanity; M: Mindfulness; I: Indifference; CS: Compassion Scale; GF: General factor; λ : standardized factor loadings; Target loadings in bold.; * $p < .05$; ** $p < .01$.