

Appendix

This appendix provides a detailed overview of how each variable measured in this study was treated. For each measure, the appendix includes (1) the wording of all items, (2) factor loadings, (3) item retention decisions, (4) means and standard deviations of each item, (5) initial confirmatory factor analysis results and goodness-of-fit parameters, (6) final factor structures, including the modification indices that supported any covaried error terms. The measured variables are:

A.1 Perception of Empathic Communication

A.2 Adjustment to the Cancer Diagnosis

A.3 Disclosure Efficacy

A.4 Message Enactment – Sharing

A.5 Message Enactment – Withholding

In addition, section A.6 provides the initial and final full structural equation models for current and former patients, including goodness-of-fit measures and relevant modification indices.

A.1 Perception of Empathic Communication

Table A1

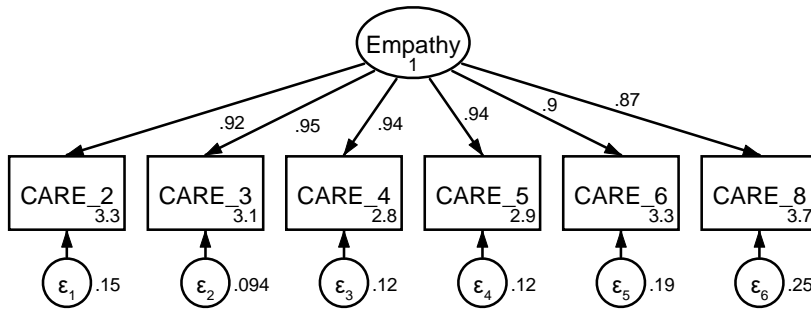
Means, standard deviations, and items of the Consultation and Relational Empathy (CARE) questionnaire (N = 285)

| Item | Item wording | Rotated factor loadings | Retained? | Current patients (n = 111) | | Former patients (n = 174) | |
|---|---|-------------------------|-----------|----------------------------|-------------|---------------------------|------------|
| | | | | M | SD | M | SD |
| <i>Instructions:</i> Please focus on your main oncologist or doctor responsible for treating your cancer. How was this person at... | | | | | | | |
| CARE_1 | Making me feel at ease? | .913 | N | 3.75 | 1.36 | 4.23 | 1.05 |
| CARE_2 | Letting me tell me story? | .920 | Y | 3.68 | 1.36 | 4.11 | 1.07 |
| CARE_3 | Really listening to me? | .937 | Y | 3.65 | 1.45 | 4.12 | 1.14 |
| CARE_4 | Being interested in me as a whole person? | .920 | Y | 3.45 | 1.49 | 3.96 | 1.17 |
| CARE_5 | Fully understanding my concerns? | .924 | Y | 3.57 | 1.39 | 3.94 | 1.21 |
| CARE_6 | Showing care and compassion? | .907 | Y | 3.74 | 1.43 | 4.20 | 1.05 |
| CARE_7 | Remaining hopeful? | .786 | N | 4.07 | 1.13 | 4.38 | 0.90 |
| CARE_8 | Explaining things clearly? | .902 | Y | 3.87 | 1.26 | 4.28 | 0.98 |
| CARE_9 | Helping me to take control? | .913 | N | 3.50 | 1.54 | 3.98 | 1.11 |
| CARE_10 | Making a plan of action with me? | .807 | N | 3.61 | 1.48 | 3.91 | 1.28 |
| Mean composite score | | | | 3.69 | 1.26 | 4.11 | .98 |

Note. All participants included in factor analysis. *M* = mean, *SD* = standard deviation. Y = yes, retained; N = not retained. Items that were more global statements about how the provider made them feel (CARE_1) or planning for the future (CARE_9 and CARE_10) were not retained, despite high factor loading, to focus on specific provider behaviors. Items with loadings < .80 (CARE_7) were not retained.

Figure A1

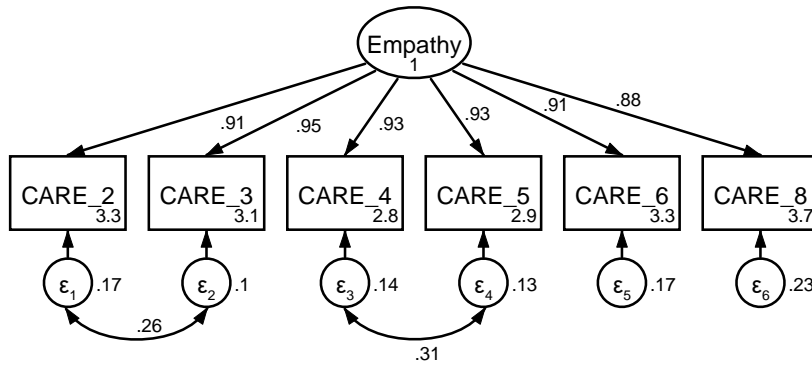
CFA of retained items in the Consultation and Relational Empathy (CARE) questionnaire without covaried error terms



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(9) = 47.55, p < .001$; RMSEA = .123 (CI .090, .158); CFI = .983; SRMR = .013.

Figure A2

CFA of retained items in the Consultation and Relational Empathy (CARE) questionnaire with covaried error terms



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(7) = 14.43, p = .04$; RMSEA = .061 (CI .010, .106); CFI = .997; SRMR = .008. Covariations were added stepwise, with a new model assessed after each modification. Modification indices first supported a 26.48 $\Delta\chi^2$ improvement of fit for the covariation of items four and five ($\chi^2(8) = 23.12, p = .003$; RMSEA = .082 (CI .044, .121); CFI = .993; SRMR = .010). Modification indices next supported a 9.46 $\Delta\chi^2$ improvement of fit for the covariation of items two and three, resulting in the above model.

A.2 Adjustment to the Cancer Diagnosis

Table A2

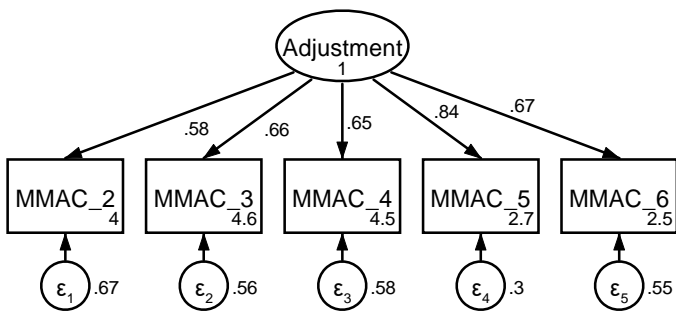
Means, standard deviations, and items of the Mini-Mental Adjustment to Cancer scale (N = 285)

| Item | Item wording | Rotated factor loadings | Retained? | Current patients (n = 111) | | Former patients (n = 174) | |
|--|--|-------------------------|-----------|-------------------------------|-------------|------------------------------|-------------|
| | | | | M | SD | M | SD |
| <i>Instructions: Please think about the following statements on a scale of 1-5 in terms of how you felt in the past month about having cancer.</i> | | | | | | | |
| MMAC_1 | I am determined to do everything I can to beat this disease. | .146 | N | 4.40 | 0.82 | 4.27 | 0.85 |
| MMAC_2 | I am very optimistic. | .615 | Y | 3.97 | 1.11 | 3.93 | 0.90 |
| MMAC_3 | I feel completely at a loss about what to do. (Reverse coded) | .684 | Y | 4.10 | 1.16 | 4.49 | 0.73 |
| MMAC_4 | I feel there is nothing I can do to help myself. (Reverse coded) | .726 | Y | 4.11 | 1.21 | 4.55 | 0.74 |
| MMAC_5 | I suffer great anxiety about having cancer. (Reverse coded) | .778 | Y | 3.01 | 1.31 | 3.66 | 1.20 |
| MMAC_6 | I am apprehensive about my cancer progressing. (Reverse coded) | .619 | Y | 2.60 | 1.18 | 2.99 | 1.10 |
| MMAC_7 | I make a positive effort not to think about my cancer. | .029 | N | 3.67 | 1.19 | 3.17 | 1.21 |
| MMAC_8 | I distract myself when thoughts about my cancer come into my head. | -.030 | N | 3.14 | 1.14 | 2.85 | 1.20 |
| Mean composite score | | | | 3.63 | 0.69 | 3.74 | 0.55 |

Note. All participants included in factor analysis. *M* = mean, *SD* = standard deviation. Y = yes, retained; N = not retained. Items with loadings < .60 were removed from the scale one at a time, with the lowest loadings removed first. Loadings were reassessed after each item was removed.

Figure A3

CFA of retained items in the modified Mini-Mental Adjustment to Cancer scale without covaried error terms

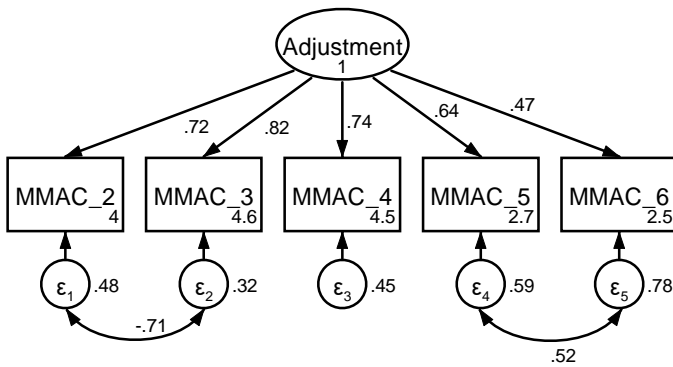


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(5) = 98.76, p < .001$;

RMSEA = .257 (CI .214, .302); CFI = .820; SRMR = .072.

Figure A4

CFA of retained items in the modified Mini-Mental Adjustment to Cancer scale with covaried error terms



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(3) = 5.75, p = .13$; RMSEA = .057 (CI < .001, .127); CFI = .995; SRMR = .016. Covariations were added stepwise, with a new model assessed after each modification. Modification indices first supported a 60.37 $\Delta\chi^2$ improvement of fit for the covariation of items five and six ($\chi^2(4) = 39.27, p < .001$; RMSEA = .176 (CI .239, .228); CFI = .932; SRMR = .054). Modification indices next supported a 27.65 $\Delta\chi^2$ improvement of fit for the covariation of items two and three, resulting in the above model.

A.3 Disclosure Efficacy

Table A3

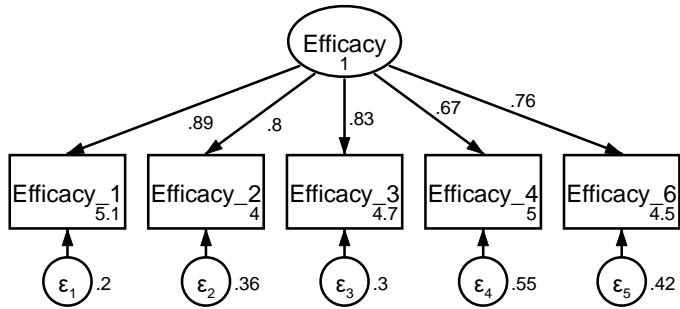
Means, standard deviations, and items of disclosure efficacy scale (N = 285)

| Item | Item wording | Rotated factor loadings | Retained? | Current patients (n = 111) | | Former patients (n = 174) | |
|---|---|-------------------------|-----------|----------------------------|-------------|---------------------------|-------------|
| | | | | M | SD | M | SD |
| <i>Instructions:</i> These questions ask about <u>sharing information</u> about your cancer with your medical team. | | | | | | | |
| Efficacy_1 | I am confident that I can share information about my cancer with my medical team when I want to. | .851 | Y | 4.25 | 1.07 | 4.57 | 0.68 |
| Efficacy_2 | I have difficulty sharing information about my cancer with my medical team. (Reverse coded) | .778 | Y | 4.01 | 1.25 | 4.41 | 0.88 |
| Efficacy_3 | I know how to share information with my medical team about my cancer. | .805 | Y | 4.05 | 1.08 | 4.40 | 0.76 |
| Efficacy_4 | I do <u>not</u> know what to say when I try to share information with my medical team about my cancer. (Reverse coded) | .728 | Y | 4.20 | 0.95 | 4.39 | 0.80 |
| Efficacy_5 | I ordinarily feel very tense and nervous when having a conversation with my medical team about my cancer. (Reverse coded) | .491 | N | 3.77 | 1.27 | 4.06 | 1.08 |
| Efficacy_6 | While participating in a conversation with my medical team about my cancer, I am afraid to speak up. (Reverse coded) | .779 | Y | 4.11 | 1.20 | 4.48 | 0.74 |
| Mean composite score | | | | 4.07 | 0.85 | 4.39 | 0.67 |

Note. All participants included in factor analysis. *M* = mean, *SD* = standard deviation. Y = yes, retained; N = not retained. Loadings were reassessed after each item was removed.

Figure A5

CFA of retained items in the disclosure efficacy scale without covaried error terms

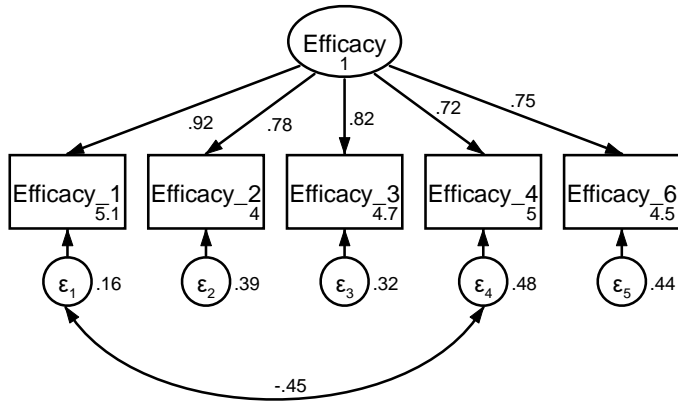


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(5) = 24.14, p < .001$;

RMSEA = .116 (CI .072, .164); CFI = .977; SRMR = .027.

Figure A6

CFA of retained items in the disclosure efficacy with covaried error terms



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(4) = 5.38, p = .25$; RMSEA = .035 (CI < .001, .102); CFI = .998; SRMR = .014. Covariations were added stepwise, with a new model assessed after each modification. Modification indices first supported a 16.59 $\Delta\chi^2$ improvement of fit for the covariation of items one and four, resulting in the above model.

A.4 Message Enactment - Sharing

Table A4

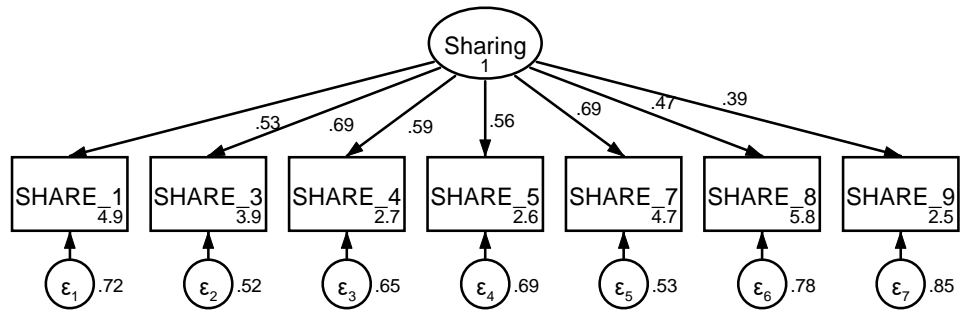
Means, standard deviations, and items of the sharing scale (N = 285)

| Item | Item wording | Rotated factor loadings | Retained? | Current patients (n = 111) | | Former patients (n = 174) | |
|---|---|-------------------------|-----------|----------------------------|-------------|---------------------------|-------------|
| | | | | M | SD | M | SD |
| <i>Instructions:</i> People talk about some topics but not others with their medical team. Please indicate your level of agreement with the following statements. | | | | | | | |
| SHARE_1 | We discuss what treatment I should have. | .517 | Y | 4.30 | 0.84 | 4.22 | 0.90 |
| SHARE_2 | I share with my friends more than my medical team about my cancer experience. (Reverse coded) | .396 | N | 3.28 | 1.22 | 3.78 | 1.18 |
| SHARE_3 | My medical team understands what it was like for me to be treated for cancer. | .675 | Y | 3.68 | 1.00 | 3.90 | 0.97 |
| SHARE_4 | My medical team and I talk about our worries about whether my cancer treatment worked. | .605 | Y | 3.07 | 1.19 | 3.39 | 1.19 |
| SHARE_5 | I talk with my medical team about what to do if my condition should get significantly worse. | .587 | Y | 2.92 | 1.24 | 3.36 | 1.22 |
| SHARE_6 | I talk with my medical team about how cancer affects me sexually. | .176 | N | 2.31 | 1.24 | 2.42 | 1.24 |
| SHARE_7 | I can talk about cancer with my medical team. | .696 | Y | 4.11 | 1.15 | 4.44 | 0.70 |
| SHARE_8 | When it comes to cancer, I only tell my medical team what they want to hear. (Reverse coded) | .450 | Y | 4.38 | 0.80 | 4.41 | 0.75 |
| SHARE_9 | I tell my medical team how scared I am about having cancer. | .409 | Y | 2.85 | 1.29 | 3.06 | 1.11 |
| Mean composite score | | | | 3.43 | 0.55 | 3.66 | 0.63 |

Note. All participants included in factor analysis. *M* = mean, *SD* = standard deviation. Y = yes, retained; N = not retained. Loadings were reassessed after each item was removed.

Figure A7

CFA of retained items in the sharing scale without covaried error terms

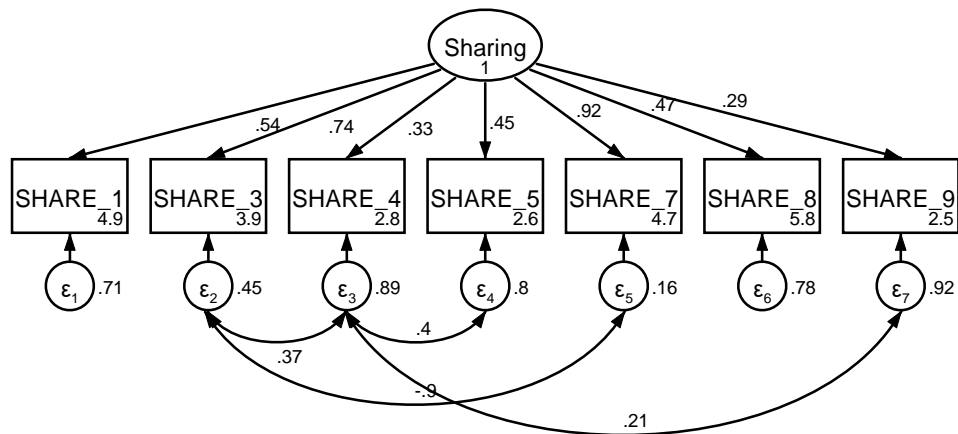


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(14) = 111.03, p < .001$;

RMSEA = .156 (CI .130, .184); CFI = .790; SRMR = .080.

Figure A8

CFA of retained items in the sharing scale with covaried error terms



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(10) = 19.90, p = .03$; RMSEA = .059 (CI .018, .097); CFI = .979; SRMR = .039. Covariations were added stepwise, with a new model assessed after each modification. Modification indices first supported a 30.85 $\Delta\chi^2$ improvement of fit for the covariation of items four and five ($\chi^2(13) = 79.72, p < .001$; RMSEA = .134 (CI .107, .164); CFI = .853; SRMR = .070). Modification indices next supported a 30.71 $\Delta\chi^2$ improvement of fit for the covariation of items three and four ($\chi^2(12) = 48.38, p < .001$; RMSEA = .103 (CI .074, .135); CFI = .921; SRMR = .062). Modification indices next supported a 13.02 $\Delta\chi^2$ improvement of fit for the covariation of items four and nine ($\chi^2(11) = 35.07, p < .001$; RMSEA = .088 (CI .056, .121); CFI = .948; SRMR = .048). Finally, modification indices supported a 12.82 $\Delta\chi^2$ improvement of fit for the covariation of items three and seven, resulting in the above model.

A.5 Message Enactment - Withholding

Table A5

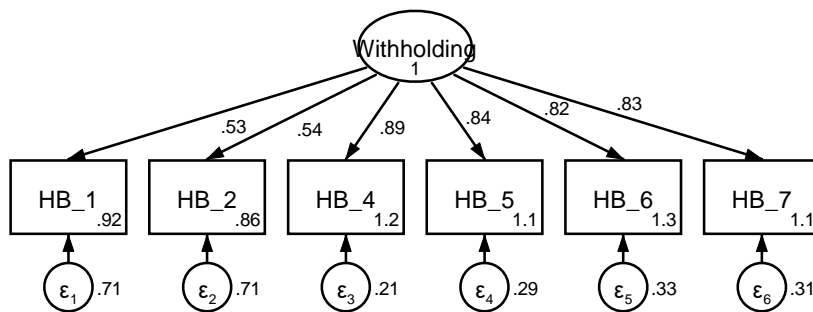
Means, standard deviations, and items of the holding back scale (N = 285)

| Item | Item wording | Rotated factor loadings | Retained? | Current patients (n = 111) | | Former patients (n = 174) | |
|---|---|-------------------------|-----------|----------------------------|-------------|---------------------------|-------------|
| | | | | M | SD | M | SD |
| <i>Instructions:</i> For each statement, please respond to how much you hold back from or actively avoid sharing the concern <u>in the past month</u> with your medical team. | | | | | | | |
| HB_1 | Concerns about my physical symptoms (e.g., pain, fatigue, breathing, swallowing, speaking) | .455 | Y | 1.07 | 1.17 | 1.04 | 1.12 |
| HB_2 | Concerns about my cancer treatment (e.g., medical or surgical treatments, medicines, interactions with doctors and nurses, being in the hospital) | .477 | Y | 1.17 | 1.29 | .885 | 1.07 |
| HB_3 | Concerns about my ability to function sexually | .683 | N | 1.63 | 1.67 | 1.48 | 1.52 |
| HB_4 | Emotions such as fear, worry, or sadness | .838 | Y | 1.84 | 1.42 | 1.42 | 1.28 |
| HB_5 | Fear of death or that I might die from this disease | .836 | Y | 1.84 | 1.58 | 1.45 | 1.41 |
| HB_6 | Fear of disease progressing or coming back | .746 | Y | 1.82 | 1.32 | 1.48 | 1.23 |
| HB_7 | Concerns about my well-being | .795 | Y | 1.81 | 1.40 | 1.34 | 1.26 |
| HB_8 | Concerns about [my support person's] well-being | .835 | N | 1.80 | 1.55 | 1.26 | 1.48 |
| HB_9 | Concerns about my relationship with [my support person] | .831 | N | 1.57 | 1.65 | 1.19 | 1.50 |
| HB_10 | Dissatisfaction or embarrassment about my body image or appearance | .796 | N | 1.82 | 1.48 | 1.34 | 1.40 |
| HB_11 | Concerns about your relationship with others (e.g., children, other family members, friends) | .878 | N | 1.60 | 1.56 | 1.14 | 1.40 |
| HB_12 | Financial concerns (including insurance, household costs, and medical bills) | .775 | N | 1.36 | 1.60 | 1.04 | 1.39 |
| HB_13 | Job-related concerns | .774 | N | 1.24 | 1.64 | 0.95 | 1.37 |
| Mean composite score | | | | 1.58 | 1.18 | 1.23 | 1.00 |

Note. All participants included in factor analysis. *M* = mean, *SD* = standard deviation. Y = yes, retained; N = not retained. The two items related to *financial concerns* (HB_12, HB_13) were not included based on the focus of this study. Additionally, items related to *other people's well-being* (HB_8, HB_9, HB_10, HB_11) were not included based on the focus of this study, despite high factor loadings. Items with low loadings after the removal of the above items were not retained for further analysis (HB_3). Loadings were reassessed after each item was removed.

Figure A9

CFA of retained items in the sharing scale without covaried error terms

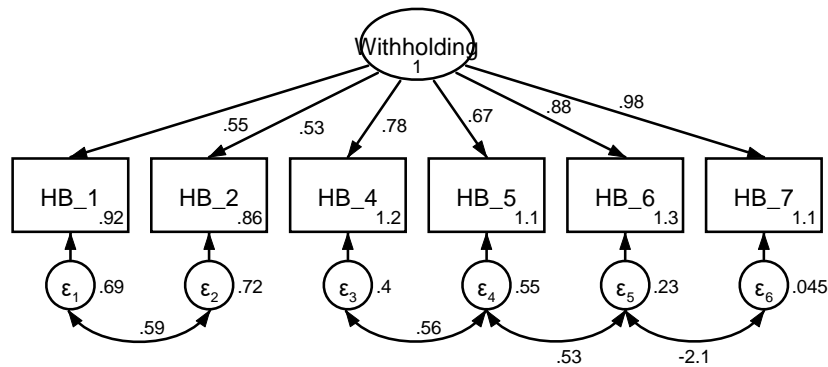


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(9) = 232.45, p < .001$;

RMSEA = .296 (CI .263, .329); CFI = .805; SRMR = .110.

Figure A10

CFA of retained items in the sharing scale with covaried error terms

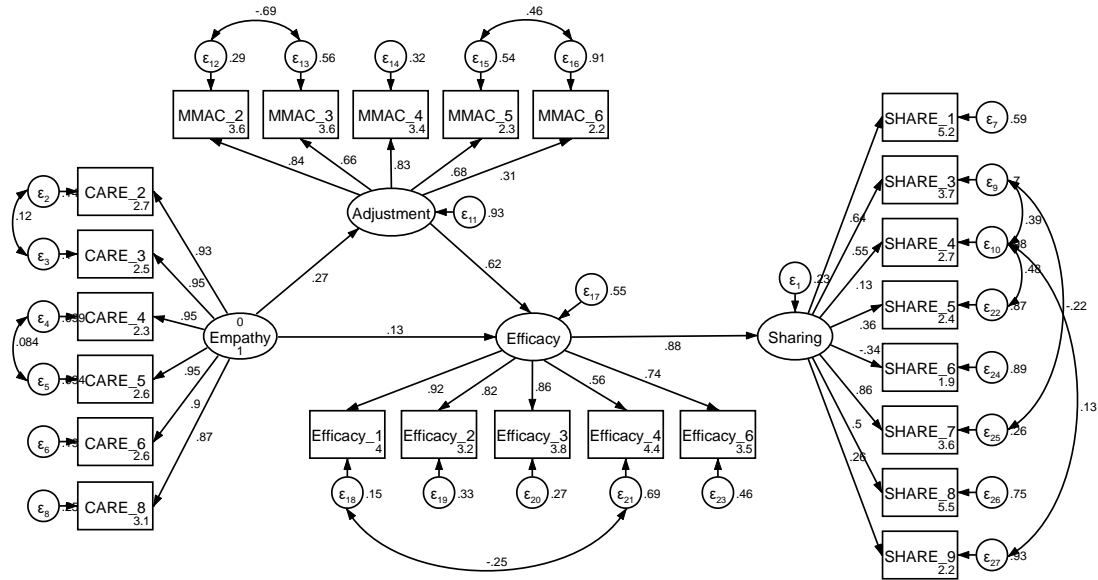


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(5) = 14.56, p = .01$; RMSEA = .082 (CI .035, .133); CFI = .992; SRMR = .023. Covariations were added stepwise, with a new model assessed after each modification. Modification indices first supported a 110.22 $\Delta\chi^2$ improvement of fit for the covariation of items one and two ($\chi^2(8) = 99.88, p < .001$; RMSEA = .201 (CI .167, .237); CFI = .920; SRMR = .060). Modification indices next supported a 33.64 $\Delta\chi^2$ improvement of fit for the covariation of items five and six ($\chi^2(7) = 70.72, p < .001$; RMSEA = .179 (CI .143, .218); CFI = .944; SRMR = .053). Modification indices next supported a 36.83 $\Delta\chi^2$ improvement of fit for the covariation of items four and five ($\chi^2(6) = 38.27, p < .001$; RMSEA = .138 (CI .098, .181); CFI = .972; SRMR = .041). Finally, modification indices supported a 21.10 $\Delta\chi^2$ improvement of fit for the covariation of items six and seven, resulting in the above model.

A.5 Full Structural Equation Models

Figure A11

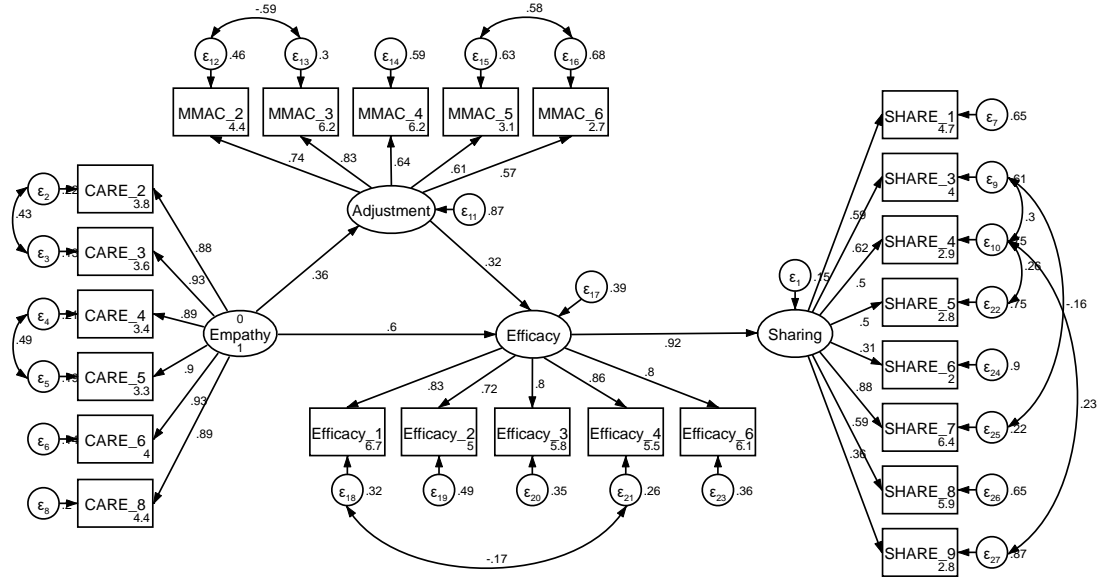
SEM predicting sharing with current patients (n = 111)



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(239) = 485.18, p < .001$; RMSEA = .097 (CI .084, .109); CFI = .878; SRMR = .127.

Figure A12

SEM predicting sharing with former patients (n = 174)

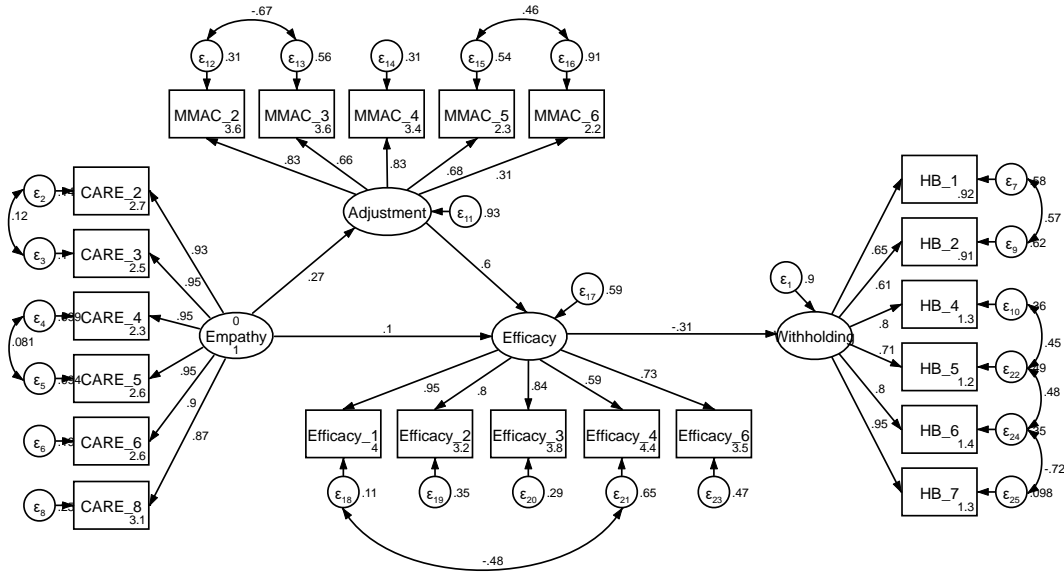


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(239) = 444.15, p < .001$;

RMSEA = .070 (CI .060, .081); CFI = .932; SRMR = .069.

Figure A13

SEM predicting withholding with current patients (n = 111)

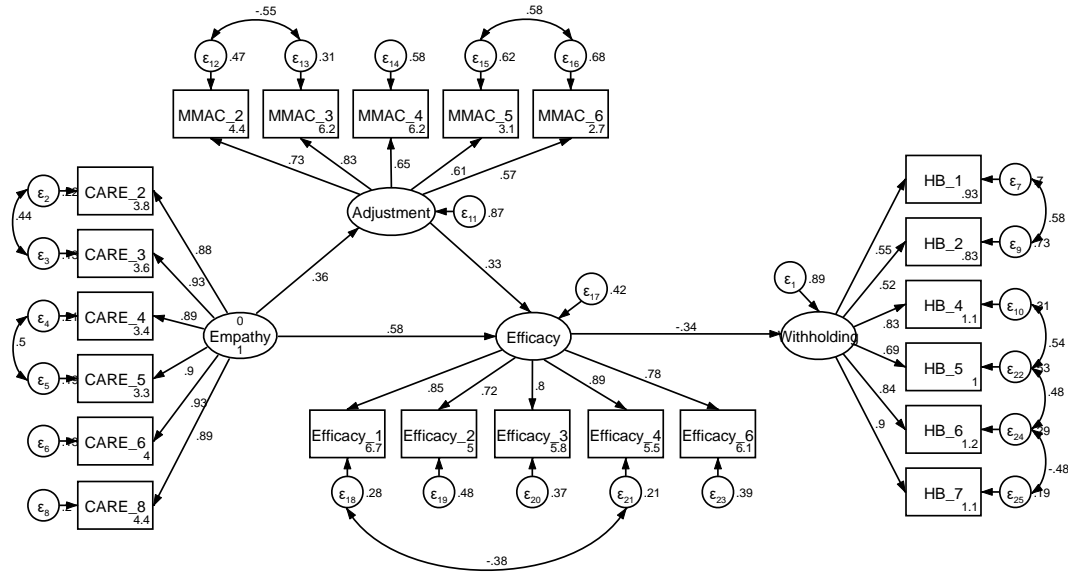


Note: Parameter estimates are standardized. Model fit indices were $\chi^2(196) = 329.90, p < .001$;

RMSEA = .079 (CI .064, .093); CFI = .936; SRMR = .107.

Figure A14

SEM predicting withholding with former patients (n = 174)



Note: Parameter estimates are standardized. Model fit indices were $\chi^2(196) = 335.63, p < .001$;

RMSEA = .064 (CI .052, .076); CFI = .955; SRMR = .087.