Supplemental Table 1

**Concordance in Open-ended Responses**

Part 1: Concordance in open-ended responses for IOS-CC with communal coping measures

|  | n | IOS-CC | Self-report CC | We-Talk | Observed CC |
|---|---|---|---|---|---|
| Discussion of diabetes | 4 | .05 | -.07 | -.20+ | -.09 |
| Diabetes support | 25 | .16 | .22* | .09 | .10 |
| Illness appraisal | 11 | -.10 | .12 | .15 | .04 |
| Teamwork | 8 | .07 | .14 | .27* | .03 |
| Think alike | 4 | -.08 | -.03 | .04 | -.09 |

Part 2: Concordance in open-ended response for IOS with relationship quality measures

|  | n | IOS-CC | Self-report CC | We-Talk | Observed CC |
|---|---|---|---|---|---|
| Closeness | 4 | .05 | -.00 | -.07 | -.06 |
| Think alike | 9 | .17 | .21* | .03 | .01 |
| Teamwork | 11 | .12 | .23* | .08 | .29** |
| independence | 3 | -.14 | -.05 | -.04 | -.11 |
| time together | 8 | .07 | .12 | .09 | .11 |
| connectedness | 15 | .06 | .18+ | .19+ | -.11 |
| support | 0 |  |  |  |  |
| quality of relat | 3 | .04 | .05 | -.16 | -.11 |

Notes:  n represents the total number of couples in which both persons mentioned this interpretation (i.e., the number of concordant values); CC = communal coping; + $p < .10$; * $p < .05$; ** $p < .01$
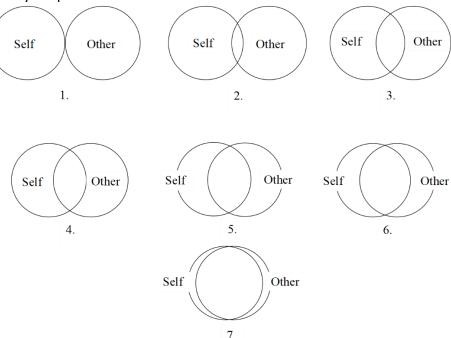
Supplemental Table 2

**Intercorrelations Among Study Variables**

|  | 1. | 2. | 3. | 4. | 5. | 6. | 7. |
|---|---|---|---|---|---|---|---|
| 1. IOS | .27*** | .45*** | .54*** | .70*** | .27*** | .18* | .22** |
| 2. IOS-CC | .51*** | .15* | .23** | .31*** | .57*** | .21** | .20** |
| 3. Intimacy | .54*** | .28*** | .43*** | .76*** | .25*** | .05 | .16* |
| 4. Relationship quality | .60*** | .28*** | .76*** | .38*** | .22** | .09 | .17* |
| 5. Self-report CC | .28*** | .42*** | .35*** | .33*** | .36*** | .20** | .27*** |
| 6. We-talk | .06 | .16* | .10 | .11 | .24*** | .14* | .28*** |
| 7. Observed CC | .14* | .22** | .23** | .18* | .33*** | .31*** | .49*** |

Note:  Upper diagonal = spouse; lower diagonal = patient; diagonal represents the correlations between patients and spouses; * $p <$ .05; ** $p <$ .01; *** $p <$ .001.
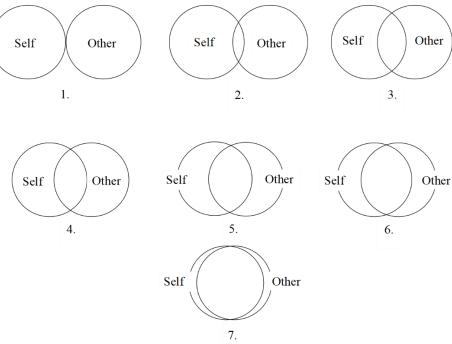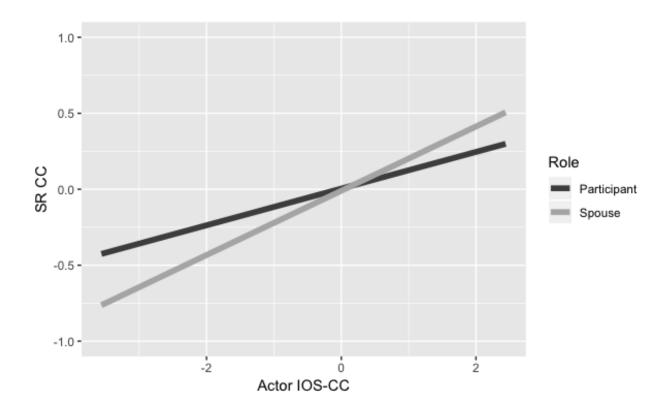
Supplemental Figure 1a: Below are the instructions for the IOS

IOS:  Please look at these pictures and tell me which one best describes your **current** relationship with your partner.

Self ⃝ Other — 1.

Self ⃝ Other — 2.

Self ⃝ Other — 3.

Self ⃝ Other — 4.

Self ⃝ Other — 5.

Self ⃝ Other — 6.
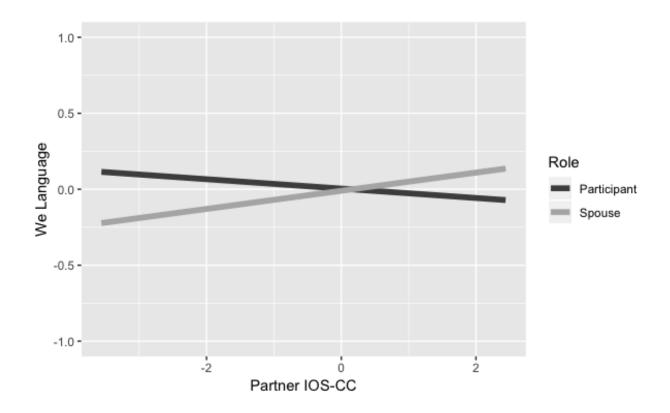
Self ⃝ Other — 7.

Supplemental Figure 1b: Below are the instructions for the IOS-CC

IOS-CC: Please look at these pictures again and tell me which one best describes how you and your spouse deal with diabetes.

Self ⃝ Other — 1.

Self ⃝ Other — 2.

Self ⃝ Other — 3.

Self ⃝ Other — 4.

Self ⃝ Other — 5.

Self ⃝ Other — 6.

Self ⃝ Other — 7.

Supplemental Figure 2: Interaction between Actor IOS-CC and role (patient/spouse) on self-report communal coping: estimate = -.09* (SE .04). The relation of actor IOS-CC to self-reported communal coping is stronger for spouses than patients.

Supplemental Figure 3: Interaction between Partner IOS-CC and role (patient/spouse) on we-language: estimate = .03* (SE .02). Partner IOS-CC is related to greater spouse we-language. However, partner IOS-CC is unrelated to patient we-language.