

Supplemental Material for

"Social Support and Patient Adherence to Medical Treatment: A Meta-Analysis"

DiMatteo, *Health Psychology*, Vol. 23, No. 2, 207–218

[View article](#)

Appendix A. Studies correlating practical, emotional, and unidimensional social support, family cohesiveness, and family conflict with patient adherence.

<i>Practical Social Support</i> Reference ^a	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Measure of Practical Support</i>	<i>Sample Size^b</i>	<i>R Effect Size^c</i>
Abbott et al., 1994	Cystic fibrosis	Rating by patient and physical therapist of adherence to chest compression therapy	Someone to help with chest physical therapy	60 adult	.27
Anderson et al., 1990	Diabetes I	Self reports (parent/child) of adherence to insulin, diet, blood glucose monitoring, and diabetes care	Someone in family assumes responsibility for diabetes tasks	121 pediatric	.23
Anderson et al., 1997	Diabetes I	Assesment by health professional	Parents help child with insulin shots and Blood Glucose Monitoring	89 pediatric	.27
Bastone & Kerns, 1995	Coronary Artery Bypass Graft surgery	Nurse rating of patient adherence to walking	Social Influence Scale- perceive others as reminding, encouraging and praising walking	48 adult	.24
Boyer et al., 1990	End Stage Renal Disease	Adherence to Diet determined from appropriate serum K, serum P, and BUN levels	Scale measuring perceptions of practical support	127 adult	.18

Burroughs et al., 1993	Diabetes I	Self reports (parent/child) about dietary adherence	Parental reminders and practical support (“nagging”) regarding diet	21 pediatric	.75
Chaney & Peterson, 1989	Juvenile Rheuma-toid Arthritis	Report of parents regarding doses of medication taken and weekly medication diary	Parents’ ability to cope with crises- F-COPES scale	25 pediatric	.42
Christiaanse et al., 1989	Asthma	Assay of theophylline levels- showing medication taken	Family Environment Scale- Family organization/ control	38 pediatric	.13
Davis et al., 2001	Diabetes I	Self reports (parent) of adherence to medication, diet, self-care	Parenting Dimensions Inventory- organized parenting style	53 pediatric	.13
DiMatteo et al., 1993 - sample 1	Abnormal Pap -smear	Self report (RAND general and specific adherence) and medical record of adherence to recommended follow up treatment for abnormal Pap	Adherence Determinants Questionnaire (ADQ): Practical support dealing with barriers to adherence	51 adult	.49
DiMatteo et al., 1993 - sample 2	Breast and Colon Cancer	Self report (RAND general and specific adherence) and medical record of adherence to recommended rehabilitation	ADQ: Practical support dealing with barriers to adherence	131 adult	.26
DiMatteo et al., 1993 - sample 3	Head and Neck Cancer	Self report (RAND general and specific adherence) and cotinine test for adherence to recommended smoking cessation	ADQ: Practical support dealing with barriers to adherence	91 adult	.56
Finnegan & Suler, 1984	Myo-cardial Infarction and Severe Angina	Self- and spouse report of exercise, diet, weight loss and maintenance	Perceived help from spouse received by individual	35 adult	.59
Goldman et al., 1982	Various Diagnoses	Self-report of appointment keeping	Someone to help with transportation	376 adult	-.09

Grady et al., 1998	Heart Trans-plant	Medical Chart record of adherence to clinic visits and various aspects of care (diet,exer).	Practical Support	120 adult	.18
Hanson et al., 1987	Diabetes I	Self reports (parent/child) and health professional assessment of adherence to diet, insulin, diabetes care	Parental behaviors supportive of diabetes care from Diabetes Family Behavior Checklist	104 pediatric	.32
Irwin et al., 1981	Various diagnoses	Medical record of appointment keeping in medical clinic	Parent made appointment for child	245 pediatric	.31
Jung, 1990	Hyper-tension	Self-report and medical record composite index of Blood pressure monitoring, salt reduction, dietary control and taking medication	Composite measure: seven health behaviors for which patient reports receiving support	52 adult	.53
Kremers et al., 2000	Colon Cancer Screening	Medical record of complying with sigmoidoscopy recommendation	Patient reports practical support for receiving sigmoidoscopy	200 adult	.15
Kyngas et al., 1998	Diabetes I	Self reports (parent/child) of adherence to insulin, diet, glucose monitoring	Friends are helpful (versus not helpful or make adherence harder).	41 pediatric	.58
La Greca et al., 1995	Diabetes I	Self reports (parent/child) structured interview regarding adherence to meals, glucose testing, prevention of hypoglycemia	Diabetes Family Behavior Checklist-measuring family practical support with glucose testing, meals, etc	74 pediatric	.37
Leduc et al., 1998	Frail Elderly with Various Diagnoses	Adherence to use of several services prescribed by Comprehensive Geriatric Evaluation and Treatment-- according to self report, chart record, health professional report	Practical Support: access to transportation and an accompanying person	211 adult	.18

Miller-Johnson, 1994	Diabetes I	Self reports (parent/child), diary And nurse's report regarding insulin, exercise, injections Rated on 0-100 scale based on percent of adherence	Practical Behavioral Support	88 pediatric	.36
Murphy et al., 1997	Diabetes I	Electronic monitoring of blood glucose monitoring	Family Environment Scale - Family Organization and Control.	40 pediatric	.10
O'Brien, 1980	End Stage Renal Disease	Self reports of compliance to dialysis, medication, diet	Family awareness and expectations for compliance with treatment	63 adult	.50
Patterson et al., 1993	Cystic Fibrosis	Self-report by parents of adherence to (number of times per week) home chest physical therapy treatment	Family Organization from Coping Health Inventory for parents	91 pediatric	.27
Taal et al., 1993	Rheuma-toid Arthritis	Self-report Adherence Problem Index.	Instrumental support (how much help from people close to the patient?)	86 adult	-.22
Walders et al., 2000	Asthma	Self reports (parent/child) of adherence to medication, prevention, and attack intervention strategies	Practical Family Help- (reverse of family overestimates child's ability to care for self without help).	60 pediatric	.32
Williams et al., 1998	Diabetes I and II	Self-report of diet, insulin, testing, HbA1c	Patient's perception of Autonomy- support from health provider	128 adult	.19
<i>Emotional Support</i>					
<i>References^a</i>	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Measure of Emotional Support</i>	<i>Sample Size^b</i>	<i>R Effect Size^c</i>

Bastone & Kerns, 1995	Coronary Artery Bypass Graft surgery	Nurse rating of patient adherence to walking	Social Provisions Scale: social support involving attachment, social integration, guidance, opportunity for nurturance	48 adult	.00
Boyer et al., 1990	End Stage Renal Disease	Adherence to Diet determined from appropriate serum K, serum P, and BUN levels	Scale measuring emotional support from the family	127 adult	.19
Catz et al., 2001	HIV	Self-reported medication adherence in the past week	Emotional social support from family and friends	113 adult	.13
Catz et al., 2000	HIV	Self reported medication adherence in the past week and over 3 mos.	Social Attachment Subscale of the Social Provisions Scale	72 adult	.30
Kremers et al., 2000	Sigmoidoscopy	Patient complies with Sigmoidoscopy recommendation	Emotional support for sigmoidoscopy	200 adult	.00
Kulik & Mahler, 1993 ^d	Coronary Artery Bypass Surgery	Combined adherence to not smoking and to walking in past week	Emotional support: 6 point scale involving talk, love, feeling loved, and receiving emotional support	75 adult	.37
La Greca et al., 1995	Diabetes I	Self-report structured interview about adherence to meals, glucose testing, preventing hypoglycemia	Diabetes Social Support Interview: Perceived peer emotional support and praise and encouragement	74 pediatric	.05
Sherbourne et al., 1992	Diabetes II	Self-report RAND specific adherence measure assessing medication, diet, and self-care	Measure by Sherbourne and Stewart (1991): emotional social support subscale	348 adult	.15
Taal et al., 1993	Rheuma-toid Arthritis	Self-report Adherence Problem index-range 0 - 100% problems adhering to all recommendations for medication and behavior change.	Perceived emotional support (4 items)	86 adult	.19

Woller et al., 1993	Asthma	Self-report medication- taking (prednisone) and management during asthma attack	Perceived emotional support by key figures	62 adult/peds	.00
Wysocki et al., 1992	Diabetes I	Patient self-report and collateral report of compliance with diabetes care and medication: 15 items.	Diabetes Family Behavior Check List: Supportive social behaviors -emotional support	81 adult	.28
Unidimensional Social Support					
<i>Reference</i> ^a	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Measure of Uni-dimensional Social Support</i>	<i>Sample Size</i> ^b	<i>R Effect Size</i> ^c
Belgrave & Lewis, 1994 sample 1	Sickle cell disease	Self-rating by patient of adherence to appointment, medication, exercise.	Wilcox Social Support Index: (not separated) emotional, cognitive, and instrumental support	49 adult	.60
Belgrave & Lewis, 1994 sample 2	Diabetes II	Scale self-rating of adherence to appointment, medication, diet, exercise.	Wilcox Social Support Index: emotional, cognitive, and instrumental support (not differentiated)	78 adult	.33
Brewer et al, 2000	Anterior Cruciate Ligament Tear	Self-reported adherence to home exercise and ice use, and practitioner rated rehabilitation attendance.	SSI- satisfaction with social support (emotional and practical)	51 adult	.08
Catz, McClure et al 1999	HIV	Medical records of HIV related medical appointment keeping over 7 months	Interpersonal Support Evaluation List: combination of belonging, self esteem, and tangible support	144 adult	.29

Doherty et al., 1983	High Cholesterol	Adherence to cholesterol lowering medication determined by Pill count.	Self-report of encouragement, advice, help, information, and support from spouse	150 adult	.29
Duda et al, 1989	Sports injury rehab	Medical record of adherence to rehabilitation attendance, complete exercise protocol, intensity of effort (combined into adherence scale).	Social support for injury rehabilitation from coach, team, trainer.	40 adult	.38
Foster et al 1998	Cystic Fibrosis	Self-report by mothers of adherence to (rev. problems adhering) medication, diet and physiotherapy.	Maternal social functioning	55 pediatric	.20
Glasgow et al., 1989	Diabetes II	Composite self report adherence scale of diet quality, physical activity and glucose testing.	Barriers to Adherence Scale & Diabetes Family Behavior Checklist	127 adult	.21
Gordillo, et al 1999	HIV	Adherence to medication determined by pill count (>90 percent of pill prescribed).	Self perceived social support	366 adult	.16
Grady, et al, 1998	Heart Trans-plant	Self report and medical record of adherence to diet and exercise.	Satisfaction with significant others (involving multiple measures of many kinds of social support)	120 adult	.33
Heiby et al 1989	Diabetes I and II	Self-report scale (8 item) of adherence to appointments, diet, blood glucose monitoring, insulin injection, exercise	Habits and Attitudes Questionnaire: social support from friends and family	144 adult	.21
Hershey et al., 1980	HBP	Self-rating of medication adherence: estimated number of prescribed pills missed	Self-report of support by providers and by family	132 adult	.08

Hilbert et al 1985	3 mos post MI	Rating by nursing Master's students of taped self-report of adherence to medication, diet, health behavior, exercise, smoking, stress management.	Spouse support questionnaire from Inventory of Socially Supportive Behaviors: general social support	60 adult	-.06
Hitchcock et al, 1992	ESRD	Adherence to diet assessed by blood tests of Serum Potassium (K) and BUN	Social Support Questionnaire short form; Satisfaction with social support	55 adult	.06
Irvine, et al. 1999	Heart Disease	Pill count of medication over two years	Multidimensional scale of perceived social support	1141 adult	.02
Kalichman et al, 1999	HIV	2 day recall (self-report) of medication adherence	15 item scale- availability and quality of both types of social support	184 adult	.12
Kiley et al., 1993	Renal trans-plant	Assessment by health professionals of medication levels, weight gain, appointment keeping	Social Support Appraisals Questionnaire- Family Support	105 adult	.00
Kyngas, 2000	Epilepsy	Self report of care activities such as reporting details to physician, taking medication, going to appointments, changing lifestyle	Questionnaire measuring adolescents' experience of support from parents, physicians and nurses	230 pediatric	.14
Lindeman, et al. 1999	Scoliosis and Kyphosis	Self reported time wearing orthopedic brace	Social support from other people	113 pediatric	.13
McCaul et al., 1987; sample 1	Diabetes I	Adherence to insulin use, glucose testing, diet and exercise measured by self-report.	General Measure of Environmental/Social Support for Adherence	84 adult	.22
McCaul et al., 1987; sample 2	Diabetes I	Adherence to insulin use, glucose testing, diet and exercise measured by self-report.	General measure of Environmental/Social Support for Adherence	23 pediatric	.37
Moran, et al, 1997	ESRD	Adherence to diet assessed by self-report and medical record of interdialytic weight gain (IWG), and serum P	Social Provisions Scale (measuring a broad range of social support functions)	61 adult	.26

Rosilio, et al 1998	Diabetes I	Adherence to glucose control, diet, and medication determined by self-report and physical test (HbA1c).	Satisfaction with Family Support	2579 adult	.05
Sherwood et al., 1983	ESRD	Adherence to diet determined from appropriate serum P, serum K, IWG	Family support (unspecified) when needed (1 item)	55 adult	.15
Singh, et al 1999	HIV	Pharmacy refill records of antiretroviral medication	Satisfaction with social support	123 adult	.17
Stanton, 1987	Hypertension	Self-report and pill count of adherence to medication; self report of appointments/behavior	Social support for adherence combining both tangible and affective support	50 adult	.43
Teichman, et al, 2000	Lung Trans- plant	Self-report, other report, MD rating of adherence to spirometer, contacting physician if fever, use of sunscreen, limitation of hours in sun.	Self-report of range of and satisfaction with social support	31 adult	.27
<i>Family Cohesiveness</i> <i>Reference</i> ^a	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Measure of Family Cohesiveness</i>	<i>Sample Size</i> ^b	<i>R Effect Size</i> ^c
Chaney & Peterson 1989	Juvenile Rheumatoid arthritis	Report of parents regarding doses of medication taken and weekly medication diary	Family closeness (reverse of distance from center) and cohesion scores from Faces III, averaged.	25 pediatric	.43
Christensen et al., 1992	ESRD	Adherence to diet and fluid restrictions assessed by appropriate serum K and IWG	Family Relationships Index from the Moos Family Environment Scale: cohesion, expressiveness & low conflict	75 adult	.23
Christiaanse et al., 1989	Asthma	Assay of theophylline levels showing medication taken	Family Environment Scale - expression and cohesiveness versus conflict.	38 pediatric	.09
Davis et al., 2001	Diabetes I	Self-reports (parent) of adherence to medication, diet, self-care	Parenting Dimensions Inventory: parental warmth	53 pediatric	.56

Eddy et al., 1998	Cystic Fibrosis	Self-reports (parent) and medical staff rating of adherence to medication, diet, and chest physiotherapy	Family cohesiveness scale	41 pediatric	.27
Gilbar et al., 1990	Cancer	Medical record of continuation versus dropout from treatment	Family Environment Scale: family cohesion	82 adult	.10
Hanson et al., 1992	Diabetes I	Structured interview self-report of meal frequency, glucose testing, having sugar available for hypoglycemia.	Family Cohesion	66 pediatric	.24
Hauser et al., 1990	Diabetes I	Health professional rating of adherence to health behavior regimen	Family Environment Scale: parent and child report of family cohesion	52 pediatric	.26
Kimmel et al., 2000	ESRD	Medical record of adherence to attendance at medical visits	Relationship Dyadic Satisfaction	174 adult	.12
Kyngas et al., 1998	Diabetes I	Self-reports (parent/child) of adherence to insulin, diet, glucose monitoring	Parental acceptance and motivation (versus control)	51 pediatric	.38
Macdonald et al., 1963	Rheumatic fever	Self-reports (parents) of adherence to medication, activity, and health habits, and medical records of appointment keeping	Social services evaluation of family cohesiveness	123 pediatric	.28
Miller-Johnson 1994	Diabetes I	Self-reports (parent/child), diary, and nurse's report regarding insulin injections, exercise).	Warmth in family	88 pediatric	.48
Patterson et al., 1993	Cystic Fibrosis	Self-report (parents) of adherence to home aerosol treatments	Family Environment Scale: cohesion, expressiveness & low conflict	91 pediatric	.22

Schafer et al., 1983	IDDM Diabetes I	Self-report summary of self care activities, frequency in last 7 days of diet adherence, care in insulin shots, glucose tests, averaged	FES-Family cohesion, parents are positive	34 pediatric	.01
<i>Family Conflict Reference^a</i>	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Measure of Family Conflict</i>	<i>Sample Size^b</i>	<i>R Effect Size^c</i>
Boyer, et al., 1990	End Stage Renal Disease	Adherence to Diet and fluid restrictions, assessed by appropriate serum K, serum P, and BUN levels	Family report of negative feelings	127 adult	-.18
Hanson, et al., 1992	Diabetes I	Structured interview self-report of meal frequency, glucose testing, having sugar available for hypoglycemia.	Family report of stress and sibling conflict and rivalry	66 pediatric	.07
Kimmel, et al., 2000	End Stage Renal Disease	Chart record of appointments: percent attendance at medical visits.	Self-report of relationship conflict	174 adult	-.18
Miller-Johnson, 1994	Diabetes I	Diary, nurse, and parent reports of adherence on scale or 0-100 percent adherence averaged over insulin, exercise, injections	Parent-child conflict	88 pediatric	-.39
Schafer, et al., 1983	Diabetes I	Self-report summary of self care activities, frequency in last 7 days of diet adherence, care in insulin shots, glucose tests, averaged	Family Environment Scale: Family conflict and parental negativity	34 pediatric	- .15
Steidl et al., 1980	ESRD	Rating composite by physician, nurse, social worker and dietician of health behavior adherence.	Family interactions rated for dysfunction/pathology	23 adult	-.41

- a. a positive r effect indicates that higher levels of the social support construct are associated with greater adherence; a negative r effect indicates higher levels of the social support construct are associated with lower levels of adherence.
- b. sample consists of adults, pediatric patients, or both adults and pediatric patients
- c. averaged if more than one effect size
- d. article contained beta weights only; zero order correlation was obtained from authors

Appendix B: Studies correlating marital status and living arrangement with adherence

<i>Marital Status Reference^a</i>	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Sample Size^b</i>	<i>Effect Size^c</i>
Al-Shammari, 1992	General	Medical record of appointment-keeping	3292 adult/peds	.02
Anson et al., 1990	Celiac disease	MD rating of strict adherence to gluten free diet	43 pediatric	.44
Arnsten et al., 1997	Anticoagu-lation therapy	Medical record of medication adherence	132 adult	.11
Bame et al., 1993	ESRD	Adherence to medication and diet assessed by serum K, BUN, and IWG	800 adult	.04
Beaulieu et al., 1996	Breast screen	Medical record of appointment-keeping	149 adult	-.08
Becker et al., 1972	Otitis media	Assay of medication adheherence and medical record of appointment attendance	116 pediatric	.00
Berger et al., 1988	Breast cancer	Medical record of appointment and behavioral adherence	28 adult	.02
Blackburn, 1977	ESRD	Adherence to diet assessed by serum P, serum K, and IWG	53 adult/peds	.00
Borkman et al., 1976	ESRD	Medical record and MD rating of adherence to fluid and protein restriction, salt intake, and shunt care	557 adult	.00
Boyer et al., 1990	ESRD	Adherence to diet assessed by serum K, serum P, BUN	127 adult	.17
Brand et al., 1977	Various diagnoses	Self-report of behavioral adherence	225 adult	.15
Carpenter et al., 1976	Rheumatoid arthritis	Self-report of exercise	54 adult	.24

Christiaanse et al., 1989	Asthma	Assay of medication level	38 pediatric	.33
Corden et al., 1997	COPD	Electronic record of medication adherence	82 adult	.00
Cumming et al., 1982	HBP	Self-report of medication use	206 adult	.00
Davis, 1968	Various Diagnoses	Self-report, medical record, and MD rating of behavioral adherence	154 adult	.00
De Geest et al., 1995	Renal transplant	Self-report of medication use	148 adult	.16
Dervin et al., 1978	General	Medical record of appointment adherence	291 adult	.05
Diehl et al., 1987	Diabetes II	Pill count of medication	62 adult	-.25
Eisen et al., 1990	HBP	Electronic measure of medication use: Medication Event Monitoring System (MEMS)	105 adult	.00
Feinberg, 1992	Rheumatoid arthritis	Diary record of health behaviors	46 adult	.00
Funke et al., 1993	Abnormal PAP	Self-report of follow-up	272 adult	.00
Glasgow et al., 1989	Diabetes II	Self-report of adherence to diet, glucose testing, exercise	127 adult	.00
Grady et al., 1993	Heart transplant	Medical record of behavioral adherence	120 adult	.00
Hao et al., 1998	Testicular Concer	Medical record of appointment follow-up to recommendation for recurrence surveillance	76 adult	.00
Hulka et al., 1976	CHF or diabetes	Self-report of medication and behavioral adherence	357 adult	.00
Jones et al., 1987	HBP	Medical record of appointment-keeping	72 adult	.27

Jones et al., 1990	UTI	Medical record of appointment-keeping	130 adult	.16
Kaufman et al., 1999	Diabetes I	Medical record of appointment-keeping	188 pediatric	.15
Kouris et al., 1988	Diabetes I	Self-report of dietary adherence	40 adult	.00
Kulik & Mahler 1993 ^d	Cardiac/ CABS	Self-report of smoking abstinence and walking	81 adult	.13
Kyngas & Lahdenpera, 1999	HBP	Self-report of reduction of alcohol and smoking cessation	138 adult	.26
Lebovits et al., 1990	Breast cancer	Self-report of medication and behavioral adherence	105 adult	.02
Lerman et al., 1992	Cervical neoplasia	Medical record of appointment-keeping	90 adult	.00
Levine et al., 1987	Cancer	Self-report of medication adherence	108 adult	.00
Mattar et al., 1975	Otitis media	Pill count of medication	100 pediatric	.00
Mushlin et al., 1977	Various Diagnoses	MD rating of medication adherence	148 adult	.18
Nolan et al., 1991	Encopresis	Self-report of medication adherence	169 pediatric	.19
O'Brien, 1980	ESRD	Self-report of behavioral adherence	63 adult	.18
Rand et al., 1995	COPD	Self-report of medication adherence	3923 adult	.03
Rich et al., 1996	CHF	Pill count of medication	156 adult	.11
Rodriquez et al., 1991	Renal transplant	MD, nurse, and other report of behavioral adherence	24 adult	.08

Schatz, 1988	Diabetes II	Self-report of behavioral adherence	24 adult	.00
Schwartz et al., 1962	Various chronic diagnoses	Self-report of medication adherence	178 adult	.05
Simon et al 1992	Major surgery non cardiac	Self-report of smoking abstinence post-surgery	186 adult	.00
Specht & Bourguet 1994	Newborn visit	Medical record of appointment-keeping	319 pediatric	.19
Tebbi et al., 1986	Leukemia	Self-and other-report of medication adherence	35 pediatric	.00
Tirrell et al., 1980	Post bypass	Medical record of exercise adherence	30 adult	.00
Turner et al., 1995	COPD	Electronic timer measuring adherence to CPAP	985 adult	-.10
Weinman et al., 1996	STD	Medical record of adherence to appointments	45 adult/peds	.00
Wiebe et al., 1997	ESRD	Dietary adherence measured by serum P level and IWG	65 adult	.00

Living Arrangement

<i>Reference^e</i>	<i>Disease</i>	<i>Measure of Adherence</i>	<i>Sample Size^b</i>	<i>R Effect Size^c</i>
Becker et al., 1972	Otitis media	Adherence assessed by assay of medication and medical record of appointment keeping	116 pediatric	.24
Botelho et al., 1992	General	Pill count of medication	59 adult	.08
Col et al., 1990	General inpatient	Self-report of medication-deviation from prescription	315 adult	.09
Coons, et al 1994	Various diagnoses	Self-report of medication taken compared with that prescribed	785 adult	- .03

Diehl et al., 1987	Diabetes II	Pill count of medication	62 adult	-.01
Eisen et al., 1990	HBP	Medication adherence measured by MEMS (electronic Medication Event Monitoring System)	105 adult	-.25
Hardy, 1948	Various diagnoses	Medical record of adherence to recommended health services	295 pediatric	-.29
Horwath et al., 1991	Diabetes II	Self-report of diet adherence	151 adult	.00
Hulka et al., 1976	CHF or diabetes	Self-report of medication adherence, and errors	357 adult	.00
Kyngas & Lahdenpera, 1999	HBP	Self-report of smoking cessation	138 adult	.29
Jamison et al., 1986	Cancer	Nurse report of cooperation with treatment	27 pediatric	-.22
Lorenc, et al 1993	Various diagnoses	Pill count of medication	149 adult	.19
Macdonald et al., 1963	Rheumatic fever	Self-report of adherence to medication and activity, and medical record of appointment adherence	123 pediatric	-.13
O'Brien, 1980	ESRD	Self-report of behavioral adherence	63 adult	.20
Parkin et al., 1976	General	Pill count of medication	130 adult	.00
Rich et al., 1996	CHF	Pill count of medication	156 adult	.10
Rodriguez et al., 1991	Renal transplant	Nurse, MD, other report of behavioral adherence	24 adult	.28
Schoenberg, 1998	HBP	Self-report of dietary adherence	41 adult	.00

Schwartz et al., 1962	Various chronic diagnoses	Self-report of medication adherence	178 adult	.17
Shapiro et al., 1995	Heart transplant	Medical record of behavioral adherence	125 adult	.22
Singh, et al 1999	HIV	Pharmacy record of antiretroviral medication prescriptions filled	123 adult	.04
Tebbi et al., 1986	Cancer	Self-report of medication taken: no missed medication doses	35 pediatric	-.41

- a. For all marital status articles, a positive r effect indicates that being married (if pediatric sample, parents being married) is associated with higher levels of adherence, and a negative r effect indicates that being married (parents being married) is associated with lower levels of adherence.
- b. sample consists of adults, pediatric patients, or both adults and pediatric patients as noted
- c. effect sizes are averaged if there is more than one measure of adherence.
- d. article contained beta weights only; zero order correlation was obtained from authors
- e. Of the 22 articles on living arrangement, 17 involve adult samples and 5 involve pediatric. For all adult samples, a positive r effect indicates that living with someone is associated with higher levels of adherence, and a negative r effect indicates that living alone is associated with higher levels of adherence. For the five pediatric samples, a positive effect size indicates that more people living in the household (including more siblings: Tebbi, et al., 1986) is associated with greater adherence and a negative effect size indicates that more people living in the household (more siblings) is associated with lower adherence.