

Vanderbilt Mental Health Self Efficacy Questionnaire

Grade 10/Year 11

Fast Track Project Technical Report

Jennifer Godwin

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Citations

Instrument

Bickman, L., Earl, E., & Klindworth, L. (1991). VMHSEQ. Nashville, TN: Vanderbilt University.

Bickman, L., Heflinger, C.A., Northrup, D., Sonnichsen, S., & Schilling, S. (1998). Long-term outcomes to family caregiver empowerment. *Journal of Child & Family Studies*, 7, 269-282.

Reports

Godwin, J. (2004). *Vanderbilt Mental Health Self Efficacy Questionnaire* (Fast Track Project Technical Report). Available from the Fast Track Project website: <http://www.fasttrackproject.org>

Data Sources

Raw: P11AF

Scored: VMH11

I. Scale Description

The *Vanderbilt Mental Health Self Efficacy Questionnaire* was developed and used by Bickman and his colleagues (1991) as part of the Family Empowerment Project. The measure consists of 25 Likert scale items measuring parents' self efficacy beliefs and behavioral expectations about obtaining and participating in mental health treatment for their children. Self efficacy is a parent's assessment of his or her ability to meet a desired goal. Parents rate each item from strongly agree (1) to strongly disagree (5). The statements associated with the items are listed in the tables below.

Whether or not parents receive this measure depended on their responses in the Service Assessment for Children and Adolescents (SACA) measure. The VMHSEQ is only administered if a parent reported in the SACA that their child received services from at least one of the following facilities/providers:

- a psychiatric hospital
- a general hospital for emotional, behavioral, or drug/alcohol problems
- a residential treatment center
- a group home
- some other overnight facility for emotional, behavioral, or drug/alcohol problems
- a mental health care center
- day treatment or partial hospitalization

- a drug and/or alcohol treatment center
- care from an in-home therapist or family preservation worker
- respite care
- care from a counselor or therapist

In year 11/grade10, this measure was erroneously given to all parents in cohort 1, regardless of their responses to the SACA questions described above. The analyses in this report, however, only include the parents who were supposed to be given the VMHSEQ measure.

II. Report Sample

These exploratory analyses were conducted with the control sample (n=155) and the normative sample (n=387, N=463 with overlap) from the first cohort during the eleventh year of the study. Overall, 376 records were missing the whole measure, however, this is not surprising given that the VMHSEQ was only given to a subset of the sample whose child received mental health services. One Hundred and two respondents were missing from the control sample (28 from Durham, 31 from Nashville, 22 from Pennsylvania, and 21 from Washington) and 333 respondents were missing from the normative sample (87 from Durham, 89 from Nashville, 86 from Pennsylvania, and 71 from Washington).

III. Scaling

Following the procedure developed by Bickman and his colleagues (1998), the 25 items in this measure are combined to create one scale capturing a parent's self efficacy regarding mental health services for their child. The 25 Likert items are summed together after the values for several of the items are reversed such that higher values indicate higher levels of self efficacy. The reversed items include: P12AF7, P12AF9, P12AF10, P12AF11, P12AF12, P12AF15, P12AF16, P12AF19, P12AF22, P12AF23, P12AF25, P12AF27, P12AF30.

Cronbach's alpha was calculated for the subscale and is shown in the table below:

Cronbach's Alpha for Scales		
Variable	Normative	High Risk Control
Y11 Mental Health Self-Efficacy Scale (VMH11sef)	0.92	0.95

The *Vanderbilt Mental Health Self Efficacy Scale* has a high level of reliability for internal consistency in both samples.

IV. Differences Between Groups

The t-test results, displayed below, reveal that the mean *Vanderbilt Mental Health Self Efficacy Scale* scores are not statistically different for the high risk control and normative samples.

Among the individual items, the means for three items are statistically significantly higher for the normative sample relative to the high risk control sample. These items include:

- *Parents like me can change the course of our children's treatment if we make ourselves heard* (P11AF17)
- *Reversed: No matter how hard I try, my child won't get the mental health services that my child needs* (P11AF15r)
- *I know that I can do what needs to be done to work with my child's mental health services* (P11AF8)

Comparison of Means for Normative and Control for Scales and Items

Variable	Label	Normative		Control		DF	t Value	Pr > t
		Mean	Std Dev	Mean	Std Dev			
VMH11sef	Y11 Mental Health Self-Efficacy Scale	98.20	9.20	94.40	14.96	84.9	-1.47	0.1460
P11AF6	I believe that I can help mental health service providers in treating my child	4.00	0.89	3.85	0.77	85	-0.84	0.4030
P11AF7r	Reversed: There is not much that I can do to work with mental health services	4.00	0.92	3.96	0.76	85	-0.21	0.8357
P11AF8	I know that I can do what needs to be done to work with my child's mental health services	4.18	0.76	3.79	0.93	85	-2.02	0.0466
P11AF9r	Reversed: What goes on in mental health services is just too complicated for me to deal with	4.21	0.77	4.00	0.96	85	-1.05	0.2962
P11AF10r	Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	4.09	1.11	4.21	0.77	53.2	0.55	0.5862
P11AF11r	Reversed: There is little I can do to change what is done by the people who provide treatment for my child	4.21	0.81	3.85	0.93	85	-1.84	0.0695
P11AF12r	Reversed: I often feel that it is hopeless to try to deal with mental health services	4.18	0.80	3.85	0.91	85	-1.72	0.0889
P11AF13	I find it easy to tell service providers how my child and family should be treated	3.71	0.76	3.58	1.01	85	-0.60	0.5511
P11AF14	My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	3.79	0.77	3.81	0.86	85	0.10	0.9245
P11AF15r	Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	4.15	0.66	3.62	1.04	85	-2.88	0.0051
P11AF16r	Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	4.18	0.72	3.85	0.95	85	-1.72	0.0889
P11AF17	Parents like me can change the course of our children's treatment if we make ourselves heard	4.29	0.58	3.85	0.93	85	-2.75	0.0072
P11AF18	What I do to work with mental health services will help my child to get the best possible treatment	4.32	0.59	4.08	0.78	85	-1.58	0.1168
P11AF19r	Reversed: With all of the responsibilities I have, it would not be possible for me to be very involved in my child's treatment plan right now	4.12	0.95	4.06	0.84	85	-0.31	0.7540
P11AF20	I look forward to participating actively in my child's treatment plan	4.24	0.55	4.11	0.82	84.8	-0.83	0.4110
P11AF21	I intend to be involved in the plan for my child's treatment	4.32	0.53	4.21	0.82	84.9	-0.80	0.4259
P11AF22r	Reversed: I feel overwhelmed when asked to do things about my child's treatment	3.76	0.92	3.79	0.95	85	0.13	0.8933
P11AF23r	Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	4.00	0.78	3.70	0.93	85	-1.57	0.1203
P11AF24	Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	3.50	0.83	3.53	0.95	85	0.14	0.8872
P11AF25r	Reversed: I have found out that what is going to happen with my child's mental health treatment will happen, no matter what I do	3.53	0.99	3.45	0.95	85	-0.36	0.7196
P11AF26	I have made an important difference in the mental health treatment that my child has received	3.62	0.70	3.58	0.89	85	-0.18	0.8559

Comparison of Means for Normative and Control for Scales and Items

Variable	Label	Normative		Control		DF	t Value	Pr > t
		Mean	Std Dev	Mean	Std Dev			
P11AF27r	Reversed: I don't know how to get information on the best mental health services for my child	3.91	0.87	3.70	0.97	85	-1.04	0.3000
P11AF28	I have seen other parents deal effectively with mental health services for their children	3.21	0.96	3.13	0.98	84	-0.37	0.7117
P11AF29	Other parents have taught me how to get what my child needs from mental health services	2.33	0.96	2.70	0.95	84	1.72	0.0884
P11AF30r	Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	4.26	0.96	4.13	1.00	85	-0.61	0.5422

V. Recommendations for Use

The Mental Health Self Efficacy Scale has high reliability and has a normal distribution when the one outlier with a value of 37 is excluded from the sample. See Bickman, Heflinger, Northrup, Sonnichsen, & Schilling (1998) for an example of its use.

VI. Item and Scale Means and SDs

Descriptive Statistics for Scale & Items - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
VMH11sef	Y11 Mental Health Self-Efficacy Scale	53	94.40	14.96	37.00	121.00
P11AF6	I believe that I can help mental health service providers in treating my child	53	3.85	0.77	2.00	5.00
P11AF7r	Reversed: There is not much that I can do to work with mental health services	53	3.96	0.76	2.00	5.00
P11AF8	I know that I can do what needs to be done to work with my child's mental health services	53	3.79	0.93	1.00	5.00
P11AF9r	Reversed: What goes on in mental health services is just too complicated for me to deal with	53	4.00	0.96	1.00	5.00
P11AF10r	Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	53	4.21	0.77	1.00	5.00
P11AF11r	Reversed: There is little I can do to change what is done by the people who provide treatment for my child	53	3.85	0.93	1.00	5.00
P11AF12r	Reversed: I often feel that it is hopeless to try to deal with mental health services	53	3.85	0.91	1.00	5.00
P11AF13	I find it easy to tell service providers how my child and family should be treated	53	3.58	1.01	1.00	5.00
P11AF14	My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	53	3.81	0.86	2.00	5.00
P11AF15r	Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	53	3.62	1.04	1.00	5.00
P11AF16r	Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	53	3.85	0.95	1.00	5.00
P11AF17	Parents like me can change the course of our children's treatment if we make ourselves heard	53	3.85	0.93	1.00	5.00
P11AF18	What I do to work with mental health services will help my child to get the best possible treatment	53	4.08	0.78	1.00	5.00
P11AF19r	Reversed: With all of the responsibilities I have, it would not be possible for me to be very involved in my child's treatment plan right now	53	4.06	0.84	1.00	5.00
P11AF20	I look forward to participating actively in my child's treatment plan	53	4.11	0.82	1.00	5.00
P11AF21	I intend to be involved in the plan for my child's treatment	53	4.21	0.82	1.00	5.00
P11AF22r	Reversed: I feel overwhelmed when asked to do things about my child's treatment	53	3.79	0.95	1.00	5.00
P11AF23r	Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	53	3.70	0.93	1.00	5.00
P11AF24	Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	53	3.53	0.95	1.00	5.00
P11AF25r	Reversed: I have found out that what is going to happen with my child's mental health treatment will happen, no matter what I do	53	3.45	0.95	1.00	5.00
P11AF26	I have made an important difference in the mental health treatment that my child has received	53	3.58	0.89	1.00	5.00
P11AF27r	Reversed: I don't know how to get information on the best mental health services for my child	53	3.70	0.97	2.00	5.00
P11AF28	I have seen other parents deal effectively with mental health services for their children	53	3.13	0.98	1.00	5.00
P11AF29	Other parents have taught me how to get what my child needs from mental health services	53	2.70	0.95	1.00	5.00
P11AF30r	Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	53	4.13	1.00	1.00	5.00

Descriptive Statistics for Scale & Items - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
VMH11sef	Y11 Mental Health Self-Efficacy Scale	54	95.85	12.66	37.00	119.00
P11AF6	I believe that I can help mental health service providers in treating my child	54	3.93	0.82	1.00	5.00
P11AF7r	Reversed: There is not much that I can do to work with mental health services	54	3.98	0.88	2.00	5.00
P11AF8	I know that I can do what needs to be done to work with my child's mental health services	54	3.91	0.92	1.00	5.00
P11AF9r	Reversed: What goes on in mental health services is just too complicated for me to deal with	54	4.07	0.93	1.00	5.00
P11AF10r	Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	54	4.06	1.05	1.00	5.00
P11AF11r	Reversed: There is little I can do to change what is done by the people who provide treatment for my child	54	4.06	0.92	1.00	5.00
P11AF12r	Reversed: I often feel that it is hopeless to try to deal with mental health services	54	4.04	0.89	1.00	5.00
P11AF13	I find it easy to tell service providers how my child and family should be treated	54	3.59	0.88	1.00	5.00
P11AF14	My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	54	3.83	0.80	2.00	5.00
P11AF15r	Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	54	3.87	0.85	1.00	5.00
P11AF16r	Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	54	4.04	0.82	1.00	5.00
P11AF17	Parents like me can change the course of our children's treatment if we make ourselves heard	54	4.09	0.83	1.00	5.00
P11AF18	What I do to work with mental health services will help my child to get the best possible treatment	54	4.20	0.74	1.00	5.00
P11AF19r	Reversed: With all of the responsibilities I have, it would not be possible for me to be very involved in my child's treatment plan right now	54	4.02	0.96	1.00	5.00
P11AF20	I look forward to participating actively in my child's treatment plan	54	4.19	0.70	1.00	5.00
P11AF21	I intend to be involved in the plan for my child's treatment	54	4.26	0.71	1.00	5.00
P11AF22r	Reversed: I feel overwhelmed when asked to do things about my child's treatment	54	3.74	0.96	1.00	5.00
P11AF23r	Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	54	3.85	0.81	1.00	5.00
P11AF24	Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	54	3.50	0.82	2.00	5.00
P11AF25r	Reversed: I have found out that what is going to happen with my child's mental health treatment will happen, no matter what I do	54	3.50	0.99	1.00	5.00
P11AF26	I have made an important difference in the mental health treatment that my child has received	54	3.61	0.74	1.00	5.00
P11AF27r	Reversed: I don't know how to get information on the best mental health services for my child	54	3.76	0.87	2.00	5.00
P11AF28	I have seen other parents deal effectively with mental health services for their children	53	3.15	0.95	1.00	5.00
P11AF29	Other parents have taught me how to get what my child needs from mental health services	53	2.43	0.93	1.00	4.00
P11AF30r	Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	54	4.11	1.04	1.00	5.00

VII. Item and Scale Correlations

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations										
	VMH11sef	P11AF6	P11AF7r	P11AF8	P11AF9r	P11AF10r	P11AF11r	P11AF12r	P11AF13	P11AF14
VMH11sef Y11 Mental Health Self-Efficacy Scale	1.000 0.000 87	0.559 0.000 87	0.507 0.000 87	0.689 0.000 87	0.726 0.000 87	0.574 0.000 87	0.652 0.000 87	0.691 0.000 87	0.566 0.000 87	0.597 0.000 87
P11AF6 I believe that I can help mental health service providers in treating my child	0.559 0.000 87	1.000 0.000 87	0.465 0.000 87	0.526 0.000 87	0.442 0.000 87	0.332 0.002 87	0.333 0.002 87	0.290 0.006 87	0.296 0.005 87	0.443 0.000 87
P11AF7r Reversed: There is not much that I can do to work with mental health services	0.507 0.000 87	0.465 0.000 87	1.000 0.000 87	0.432 0.000 87	0.527 0.000 87	0.393 0.000 87	0.395 0.000 87	0.452 0.000 87	0.437 0.000 87	0.495 0.000 87
P11AF8 I know that I can do what needs to be done to work with my child's mental health services	0.689 0.000 87	0.526 0.000 87	0.432 0.000 87	1.000 0.000 87	0.509 0.000 87	0.373 0.000 87	0.441 0.000 87	0.420 0.000 87	0.463 0.000 87	0.420 0.000 87
P11AF9r Reversed: What goes on in mental health services is just too complicated for me to deal with	0.726 0.000 87	0.442 0.000 87	0.527 0.000 87	0.509 0.000 87	1.000 0.000 87	0.626 0.000 87	0.627 0.000 87	0.672 0.000 87	0.350 0.001 87	0.388 0.000 87
P11AF10r Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	0.574 0.000 87	0.332 0.002 87	0.393 0.000 87	0.373 0.000 87	0.626 0.000 87	1.000 0.000 87	0.514 0.000 87	0.499 0.000 87	0.224 0.037 87	0.214 0.047 87
P11AF11r Reversed: There is little I can do to change what is done by the people who provide treatment for my child	0.652 0.000 87	0.333 0.002 87	0.395 0.000 87	0.441 0.000 87	0.627 0.000 87	0.514 0.000 87	1.000 0.000 87	0.622 0.000 87	0.193 0.073 87	0.219 0.042 87
P11AF12r Reversed: I often feel that it is hopeless to try to deal with mental health services	0.691 0.000 87	0.290 0.006 87	0.452 0.000 87	0.420 0.000 87	0.672 0.000 87	0.499 0.000 87	0.622 0.000 87	1.000 0.000 87	0.337 0.001 87	0.237 0.027 87
P11AF13 I find it easy to tell service providers how my child and family should be treated	0.566 0.000 87	0.296 0.005 87	0.437 0.000 87	0.463 0.000 87	0.350 0.001 87	0.224 0.037 87	0.193 0.073 87	0.337 0.001 87	1.000 0.000 87	0.693 0.000 87
P11AF14 My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	0.597 0.000 87	0.443 0.000 87	0.495 0.000 87	0.420 0.000 87	0.388 0.000 87	0.214 0.047 87	0.219 0.042 87	0.237 0.027 87	0.693 0.000 87	1.000 0.000 87
P11AF15r Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	0.713 0.000 87	0.478 0.000 87	0.325 0.002 87	0.576 0.000 87	0.542 0.000 87	0.384 0.000 87	0.411 0.000 87	0.573 0.000 87	0.370 0.000 87	0.317 0.003 87
P11AF16r Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	0.788 0.000 87	0.436 0.000 87	0.307 0.004 87	0.496 0.000 87	0.508 0.000 87	0.324 0.002 87	0.474 0.000 87	0.545 0.000 87	0.482 0.000 87	0.512 0.000 87
P11AF17 Parents like me can change the course of our children's treatment if we make ourselves heard	0.727 0.000 87	0.327 0.002 87	0.289 0.007 87	0.508 0.000 87	0.466 0.000 87	0.331 0.002 87	0.405 0.000 87	0.478 0.000 87	0.437 0.000 87	0.466 0.000 87
P11AF18 What I do to work with mental health services will help my child to get the best possible treatment	0.763 0.000 87	0.345 0.001 87	0.342 0.001 87	0.530 0.000 87	0.504 0.000 87	0.418 0.000 87	0.509 0.000 87	0.598 0.000 87	0.486 0.000 87	0.552 0.000 87

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations										
	VMH11sef	P11AF6	P11AF7r	P11AF8	P11AF9r	P11AF10r	P11AF11r	P11AF12r	P11AF13	P11AF14
P11AF19r Reversed: With all of the responsibilities I have, it would not be possible for me to be very involved in my child's treatment plan right now	0.546 0.000 87	0.270 0.011 87	0.003 0.981 87	0.321 0.002 87	0.303 0.004 87	0.288 0.007 87	0.326 0.002 87	0.274 0.010 87	0.210 0.050 87	0.232 0.031 87
P11AF20 I look forward to participating actively in my child's treatment plan	0.722 0.000 87	0.299 0.005 87	0.298 0.005 87	0.503 0.000 87	0.534 0.000 87	0.449 0.000 87	0.466 0.000 87	0.516 0.000 87	0.385 0.000 87	0.423 0.000 87
P11AF21 I intend to be involved in the plan for my child's treatment	0.741 0.000 87	0.337 0.001 87	0.325 0.002 87	0.537 0.000 87	0.512 0.000 87	0.451 0.000 87	0.474 0.000 87	0.508 0.000 87	0.425 0.000 87	0.500 0.000 87
P11AF22r Reversed: I feel overwhelmed when asked to do things about my child's treatment	0.507 0.000 87	0.080 0.460 87	0.160 0.138 87	0.211 0.050 87	0.287 0.007 87	0.342 0.001 87	0.401 0.000 87	0.222 0.039 87	0.381 0.000 87	0.278 0.009 87
P11AF23r Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	0.716 0.000 87	0.444 0.000 87	0.283 0.008 87	0.450 0.000 87	0.536 0.000 87	0.354 0.001 87	0.424 0.000 87	0.461 0.000 87	0.246 0.022 87	0.368 0.000 87
P11AF24 Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	0.568 0.000 87	0.255 0.017 87	0.142 0.189 87	0.302 0.004 87	0.338 0.001 87	0.237 0.027 87	0.368 0.000 87	0.369 0.000 87	0.163 0.132 87	0.139 0.200 87
P11AF25r Reversed: I have found out that what is going to happen with my child's mental health treatment will happen, no matter what I do	0.535 0.000 87	0.102 0.349 87	0.220 0.040 87	0.239 0.026 87	0.198 0.066 87	0.175 0.105 87	0.357 0.001 87	0.275 0.010 87	0.322 0.002 87	0.298 0.005 87
P11AF26 I have made an important difference in the mental health treatment that my child has received	0.687 0.000 87	0.417 0.000 87	0.212 0.048 87	0.454 0.000 87	0.414 0.000 87	0.292 0.006 87	0.361 0.001 87	0.297 0.005 87	0.298 0.005 87	0.457 0.000 87
P11AF27r Reversed: I don't know how to get information on the best mental health services for my child	0.588 0.000 87	0.202 0.060 87	0.130 0.230 87	0.310 0.003 87	0.147 0.174 87	0.165 0.128 87	0.247 0.021 87	0.350 0.001 87	0.381 0.000 87	0.324 0.002 87
P11AF28 I have seen other parents deal effectively with mental health services for their children	0.339 0.001 86	0.182 0.093 86	0.064 0.560 86	0.244 0.023 86	0.134 0.220 86	-0.017 0.877 86	0.002 0.984 86	0.101 0.355 86	0.161 0.139 86	0.144 0.186 86
P11AF29 Other parents have taught me how to get what my child needs from mental health services	0.136 0.212 86	0.066 0.544 86	-0.087 0.427 86	0.038 0.726 86	0.042 0.701 86	-0.104 0.342 86	-0.020 0.859 86	-0.040 0.715 86	-0.187 0.085 86	-0.037 0.734 86
P11AF30r Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	0.463 0.000 87	0.152 0.160 87	0.149 0.167 87	0.174 0.108 87	0.407 0.000 87	0.433 0.000 87	0.319 0.003 87	0.410 0.000 87	0.063 0.562 87	0.089 0.415 87

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations										
	P11AF15r	P11AF16r	P11AF17	P11AF18	P11AF19r	P11AF20	P11AF21	P11AF22r	P11AF23r	
VMH11sef Y11 Mental Health Self-Efficacy Scale	0.713 0.000 87	0.788 0.000 87	0.727 0.000 87	0.763 0.000 87	0.546 0.000 87	0.722 0.000 87	0.741 0.000 87	0.507 0.000 87	0.716 0.000 87	
P11AF6 I believe that I can help mental health service providers in treating my child	0.478 0.000 87	0.436 0.000 87	0.327 0.002 87	0.345 0.001 87	0.270 0.011 87	0.299 0.005 87	0.337 0.001 87	0.080 0.460 87	0.444 0.000 87	

Pearson Correlation Coefficients									
Prob > r under H0: Rho=0									
Number of Observations									
	P11AF15r	P11AF16r	P11AF17	P11AF18	P11AF19r	P11AF20	P11AF21	P11AF22r	P11AF23r
P11AF7r Reversed: There is not much that I can do to work with mental health services	0.325 0.002 87	0.307 0.004 87	0.289 0.007 87	0.342 0.001 87	0.003 0.981 87	0.298 0.005 87	0.325 0.002 87	0.160 0.138 87	0.283 0.008 87
P11AF8 I know that I can do what needs to be done to work with my child's mental health services	0.576 0.000 87	0.496 0.000 87	0.508 0.000 87	0.530 0.000 87	0.321 0.002 87	0.503 0.000 87	0.537 0.000 87	0.211 0.050 87	0.450 0.000 87
P11AF9r Reversed: What goes on in mental health services is just too complicated for me to deal with	0.542 0.000 87	0.508 0.000 87	0.466 0.000 87	0.504 0.000 87	0.303 0.004 87	0.534 0.000 87	0.512 0.000 87	0.287 0.007 87	0.536 0.000 87
P11AF10r Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	0.384 0.000 87	0.324 0.002 87	0.331 0.002 87	0.418 0.000 87	0.288 0.007 87	0.449 0.000 87	0.451 0.000 87	0.342 0.001 87	0.354 0.001 87
P11AF11r Reversed: There is little I can do to change what is done by the people who provide treatment for my child	0.411 0.000 87	0.474 0.000 87	0.405 0.000 87	0.509 0.000 87	0.326 0.002 87	0.466 0.000 87	0.474 0.000 87	0.401 0.000 87	0.424 0.000 87
P11AF12r Reversed: I often feel that it is hopeless to try to deal with mental health services	0.573 0.000 87	0.545 0.000 87	0.478 0.000 87	0.598 0.000 87	0.274 0.010 87	0.516 0.000 87	0.508 0.000 87	0.222 0.039 87	0.461 0.000 87
P11AF13 I find it easy to tell service providers how my child and family should be treated	0.370 0.000 87	0.482 0.000 87	0.437 0.000 87	0.486 0.000 87	0.210 0.050 87	0.385 0.000 87	0.425 0.000 87	0.381 0.000 87	0.246 0.022 87
P11AF14 My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	0.317 0.003 87	0.512 0.000 87	0.466 0.000 87	0.552 0.000 87	0.232 0.031 87	0.423 0.000 87	0.500 0.000 87	0.278 0.009 87	0.368 0.000 87
P11AF15r Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	1.000 87	0.643 0.000 87	0.463 0.000 87	0.508 0.000 87	0.256 0.017 87	0.362 0.001 87	0.357 0.001 87	0.142 0.190 87	0.688 0.000 87
P11AF16r Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	0.643 0.000 87	1.000 87	0.621 0.000 87	0.708 0.000 87	0.410 0.000 87	0.534 0.000 87	0.582 0.000 87	0.392 0.000 87	0.581 0.000 87
P11AF17 Parents like me can change the course of our children's treatment if we make ourselves heard	0.463 0.000 87	0.621 0.000 87	1.000 87	0.672 0.000 87	0.394 0.000 87	0.567 0.000 87	0.630 0.000 87	0.305 0.004 87	0.447 0.000 87
P11AF18 What I do to work with mental health services will help my child to get the best possible treatment	0.508 0.000 87	0.708 0.000 87	0.672 0.000 87	1.000 87	0.438 0.000 87	0.701 0.000 87	0.747 0.000 87	0.213 0.048 87	0.472 0.000 87
P11AF19r Reversed: With all of the responsibilities I have, it would not be possible for me to be very involved in my child's treatment plan right now	0.256 0.017 87	0.410 0.000 87	0.394 0.000 87	0.438 0.000 87	1.000 87	0.451 0.000 87	0.501 0.000 87	0.433 0.000 87	0.304 0.004 87
P11AF20 I look forward to participating actively in my child's treatment plan	0.362 0.001 87	0.534 0.000 87	0.567 0.000 87	0.701 0.000 87	0.451 0.000 87	1.000 87	0.920 0.000 87	0.326 0.002 87	0.281 0.008 87
P11AF21 I intend to be involved in the plan for my child's treatment	0.357 0.001 87	0.582 0.000 87	0.630 0.000 87	0.747 0.000 87	0.501 0.000 87	0.920 0.000 87	1.000 87	0.326 0.002 87	0.294 0.006 87
P11AF22r Reversed: I feel overwhelmed when asked to do things about my child's treatment	0.142 0.190 87	0.392 0.000 87	0.305 0.004 87	0.213 0.048 87	0.433 0.000 87	0.326 0.002 87	0.326 0.002 87	1.000 87	0.177 0.102 87

Pearson Correlation Coefficients									
Prob > r under H0: Rho=0									
Number of Observations									
	P11AF15r	P11AF16r	P11AF17	P11AF18	P11AF19r	P11AF20	P11AF21	P11AF22r	P11AF23r
P11AF23r Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	0.688 0.000 87	0.581 0.000 87	0.447 0.000 87	0.472 0.000 87	0.304 0.004 87	0.281 0.008 87	0.294 0.006 87	0.177 0.102 87	1.000 87
P11AF24 Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	0.504 0.000 87	0.472 0.000 87	0.355 0.001 87	0.310 0.003 87	0.255 0.017 87	0.244 0.023 87	0.209 0.052 87	0.219 0.041 87	0.604 0.000 87
P11AF25r Reversed: I have found out that what is going to happen with my child's mental health treatment will happen, no matter what I do	0.234 0.029 87	0.441 0.000 87	0.377 0.000 87	0.399 0.000 87	0.366 0.000 87	0.269 0.012 87	0.359 0.001 87	0.533 0.000 87	0.420 0.000 87
P11AF26 I have made an important difference in the mental health treatment that my child has received	0.530 0.000 87	0.509 0.000 87	0.527 0.000 87	0.518 0.000 87	0.387 0.000 87	0.424 0.000 87	0.454 0.000 87	0.235 0.028 87	0.689 0.000 87
P11AF27r Reversed: I don't know how to get information on the best mental health services for my child	0.459 0.000 87	0.506 0.000 87	0.454 0.000 87	0.421 0.000 87	0.334 0.002 87	0.326 0.002 87	0.343 0.001 87	0.385 0.000 87	0.501 0.000 87
P11AF28 I have seen other parents deal effectively with mental health services for their children	0.313 0.003 86	0.211 0.051 86	0.212 0.050 86	0.077 0.483 86	0.026 0.815 86	0.215 0.047 86	0.162 0.136 86	0.173 0.110 86	0.259 0.016 86
P11AF29 Other parents have taught me how to get what my child needs from mental health services	0.018 0.872 86	0.002 0.988 86	0.042 0.702 86	-0.107 0.325 86	0.015 0.890 86	0.130 0.234 86	0.005 0.965 86	0.041 0.704 86	0.076 0.486 86
P11AF30r Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	0.261 0.015 87	0.262 0.014 87	0.321 0.002 87	0.383 0.000 87	0.467 0.000 87	0.445 0.000 87	0.427 0.000 87	0.222 0.039 87	0.334 0.002 87

Pearson Correlation Coefficients							
Prob > r under H0: Rho=0							
Number of Observations							
	P11AF24	P11AF25r	P11AF26	P11AF27r	P11AF28	P11AF29	P11AF30r
VMH11sef Y11 Mental Health Self-Efficacy Scale	0.568 0.000 87	0.535 0.000 87	0.687 0.000 87	0.588 0.000 87	0.339 0.001 86	0.136 0.212 86	0.463 0.000 87
P11AF6 I believe that I can help mental health service providers in treating my child	0.255 0.017 87	0.102 0.349 87	0.417 0.000 87	0.202 0.060 87	0.182 0.093 86	0.066 0.544 86	0.152 0.160 87
P11AF7r Reversed: There is not much that I can do to work with mental health services	0.142 0.189 87	0.220 0.040 87	0.212 0.048 87	0.130 0.230 87	0.064 0.560 86	-0.087 0.427 86	0.149 0.167 87
P11AF8 I know that I can do what needs to be done to work with my child's mental health services	0.302 0.004 87	0.239 0.026 87	0.454 0.000 87	0.310 0.003 87	0.244 0.023 86	0.038 0.726 86	0.174 0.108 87
P11AF9r Reversed: What goes on in mental health services is just too complicated for me to deal with	0.338 0.001 87	0.198 0.066 87	0.414 0.000 87	0.147 0.174 87	0.134 0.220 86	0.042 0.701 86	0.407 0.000 87
P11AF10r Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	0.237 0.027 87	0.175 0.105 87	0.292 0.006 87	0.165 0.128 87	-0.017 0.877 86	-0.104 0.342 86	0.433 0.000 87

Pearson Correlation Coefficients							
Prob > r under H0: Rho=0							
Number of Observations							
	P11AF24	P11AF25r	P11AF26	P11AF27r	P11AF28	P11AF29	P11AF30r
P11AF11r Reversed: There is little I can do to change what is done by the people who provide treatment for my child	0.368 0.000 87	0.357 0.001 87	0.361 0.001 87	0.247 0.021 87	0.002 0.984 86	-0.020 0.859 86	0.319 0.003 87
P11AF12r Reversed: I often feel that it is hopeless to try to deal with mental health services	0.369 0.000 87	0.275 0.010 87	0.297 0.005 87	0.350 0.001 87	0.101 0.355 86	-0.040 0.715 86	0.410 0.000 87
P11AF13 I find it easy to tell service providers how my child and family should be treated	0.163 0.132 87	0.322 0.002 87	0.298 0.005 87	0.381 0.000 87	0.161 0.139 86	-0.187 0.085 86	0.063 0.562 87
P11AF14 My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	0.139 0.200 87	0.298 0.005 87	0.457 0.000 87	0.324 0.002 87	0.144 0.186 86	-0.037 0.734 86	0.089 0.415 87
P11AF15r Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	0.504 0.000 87	0.234 0.029 87	0.530 0.000 87	0.459 0.000 87	0.313 0.003 86	0.018 0.872 86	0.261 0.015 87
P11AF16r Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	0.472 0.000 87	0.441 0.000 87	0.509 0.000 87	0.506 0.000 87	0.211 0.051 86	0.002 0.988 86	0.262 0.014 87
P11AF17 Parents like me can change the course of our children's treatment if we make ourselves heard	0.355 0.001 87	0.377 0.000 87	0.527 0.000 87	0.454 0.000 87	0.212 0.050 86	0.042 0.702 86	0.321 0.002 87
P11AF18 What I do to work with mental health services will help my child to get the best possible treatment	0.310 0.003 87	0.399 0.000 87	0.518 0.000 87	0.421 0.000 87	0.077 0.483 86	-0.107 0.325 86	0.383 0.000 87
P11AF19r Reversed: With all of the responsibilities I have, it would not be possible for me to be very involved in my child's treatment plan right now	0.255 0.017 87	0.366 0.000 87	0.387 0.000 87	0.334 0.002 87	0.026 0.815 86	0.015 0.890 86	0.467 0.000 87
P11AF20 I look forward to participating actively in my child's treatment plan	0.244 0.023 87	0.269 0.012 87	0.424 0.000 87	0.326 0.002 87	0.215 0.047 86	0.130 0.234 86	0.445 0.000 87
P11AF21 I intend to be involved in the plan for my child's treatment	0.209 0.052 87	0.359 0.001 87	0.454 0.000 87	0.343 0.001 87	0.162 0.136 86	0.005 0.965 86	0.427 0.000 87
P11AF22r Reversed: I feel overwhelmed when asked to do things about my child's treatment	0.219 0.041 87	0.533 0.000 87	0.235 0.028 87	0.385 0.000 87	0.173 0.110 86	0.041 0.704 86	0.222 0.039 87
P11AF23r Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	0.604 0.000 87	0.420 0.000 87	0.689 0.000 87	0.501 0.000 87	0.259 0.016 86	0.076 0.486 86	0.334 0.002 87
P11AF24 Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	1.000 87	0.259 0.016 87	0.573 0.000 87	0.413 0.000 87	0.293 0.006 86	0.276 0.010 86	0.141 0.193 87
P11AF25r Reversed: I have found out that what is going to happen with my child's mental health treatment will happen, no matter what I do	0.259 0.016 87	1.000 87	0.370 0.000 87	0.494 0.000 87	0.197 0.069 86	-0.081 0.460 86	0.114 0.293 87

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations							
	P11AF24	P11AF25r	P11AF26	P11AF27r	P11AF28	P11AF29	P11AF30r
P11AF26 I have made an important difference in the mental health treatment that my child has received	0.573 0.000 87	0.370 0.000 87	1.000 87	0.434 0.000 87	0.134 0.219 86	0.138 0.206 86	0.239 0.026 87
P11AF27r Reversed: I don't know how to get information on the best mental health services for my child	0.413 0.000 87	0.494 0.000 87	0.434 0.000 87	1.000 87	0.278 0.010 86	0.041 0.704 86	0.108 0.321 87
P11AF28 I have seen other parents deal effectively with mental health services for their children	0.293 0.006 86	0.197 0.069 86	0.134 0.219 86	0.278 0.010 86	1.000 86	0.493 0.000 86	-0.104 0.340 86
P11AF29 Other parents have taught me how to get what my child needs from mental health services	0.276 0.010 86	-0.081 0.460 86	0.138 0.206 86	0.041 0.704 86	0.493 0.000 86	1.000 86	0.119 0.274 86
P11AF30r Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	0.141 0.193 87	0.114 0.293 87	0.239 0.026 87	0.108 0.321 87	-0.104 0.340 86	0.119 0.274 86	1.000 87

Appendix – SAS Scoring Program
(Scoring program removed)