

Vanderbilt Mental Health Self Efficacy Questionnaire

Grade 11/Year 12

Fast Track Project Technical Report

Jennifer Godwin

January 29, 2004

Table of Contents

I.	Scale Description
II.	Report Sample
III.	Scaling
IV.	Differences Between Groups
V.	Recommendations for Use
VI.	Item and Scale Means and SDs
VII.	Item and Scale Correlations

Appendices:

SAS scoring program

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: P12AF

Scored: VMH12

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

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 twelfth year of the study. Overall, 381 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 seven respondents were missing from the control sample (24 from Durham, 28 from Nashville, 30 from Pennsylvania, and 25 from Washington) and 332 respondents were missing from the normative sample (88 from Durham, 82 from Nashville, 89 from Pennsylvania, and 73 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
Y12 Mental Health Self-Efficacy Scale (VMH12sef)	0.93	0.93

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.

In addition, the means for the individual items are not statistically significantly different for the normative and high-risk control samples.

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			
VMH12sef	Y12 Mental Health Self-Efficacy Scale	97.06	15.65	96.17	14.13	79	-0.27	0.7902
P12AF6	I believe that I can help mental health service providers in treating my child	4.12	0.95	3.81	0.91	80	-1.47	0.1462
P12AF7r	Reversed: There is not much that I can do to work with mental health services	4.12	1.01	3.81	0.94	80	-1.41	0.1632
P12AF8	I know that I can do what needs to be done to work with my child's mental health services	4.12	0.91	4.04	0.68	80	-0.43	0.6675
P12AF9r	Reversed: What goes on in mental health services is just too complicated for me to deal with	4.12	1.01	4.04	0.80	80	-0.38	0.7045
P12AF10r	Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	4.18	1.06	4.00	0.98	79	-0.77	0.4410
P12AF11r	Reversed: There is little I can do to change what is done by the people who provide treatment for my child	3.71	1.29	3.79	1.00	79	0.32	0.7501
P12AF12r	Reversed: I often feel that it is hopeless to try to deal with mental health services	4.06	1.01	4.02	0.81	80	-0.19	0.8512
P12AF13	I find it easy to tell service providers how my child and family should be treated	3.59	1.10	3.85	0.99	80	1.14	0.2565
P12AF14	My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	3.47	1.08	3.77	1.00	79	1.27	0.2094
P12AF15r	Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	3.94	0.98	3.83	0.92	79	-0.52	0.6020
P12AF16r	Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	4.03	0.83	3.98	0.97	79	-0.25	0.8060
P12AF17	Parents like me can change the course of our children's treatment if we make ourselves heard	4.15	0.96	4.19	0.95	79	0.21	0.8362
P12AF18	What I do to work with mental health services will help my child to get the best possible treatment	4.03	0.87	4.19	0.71	79	0.92	0.3598
P12AF19r	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	4.26	0.93	4.06	0.92	79	-0.97	0.3371
P12AF20	I look forward to participating actively in my child's treatment plan	4.06	0.85	4.13	0.77	79	0.38	0.7049
P12AF21	I intend to be involved in the plan for my child's treatment	4.12	0.77	4.26	0.67	79	0.85	0.3955
P12AF22r	Reversed: I feel overwhelmed when asked to do things about my child's treatment	4.15	1.05	4.00	0.98	79	-0.65	0.5189
P12AF23r	Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	3.79	1.15	3.64	1.11	79	-0.61	0.5410
P12AF24	Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	3.50	0.90	3.30	1.08	79	-0.89	0.3760
P12AF25r	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	3.91	1.00	3.70	0.98	79	-0.95	0.3471
P12AF26	I have made an important difference in the mental health treatment that my child has received	3.65	0.92	3.64	0.92	79	-0.04	0.9663
P12AF27r	Reversed: I don't know how to get information on the best mental health services for my child	4.00	0.98	3.89	0.98	79	-0.48	0.6324
P12AF28	I have seen other parents deal effectively with mental health services for their children	3.24	1.21	3.21	1.00	79	-0.09	0.9271

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			
P12AF29	Other parents have taught me how to get what my child needs from mental health services	2.53	1.02	2.66	1.09	79	0.54	0.5875
P12AF30r	Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	4.24	1.07	4.28	0.85	79	0.19	0.8476

V. Recommendations for Use

The Mental Health Self Efficacy Scale has high reliability and has a normal distribution. 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
VMH12sef	Y12 Mental Health Self-Efficacy Scale	47	96.17	14.13	67.00	125.00
P12AF6	I believe that I can help mental health service providers in treating my child	48	3.81	0.91	1.00	5.00
P12AF7r	Reversed: There is not much that I can do to work with mental health services	48	3.81	0.94	1.00	5.00
P12AF8	I know that I can do what needs to be done to work with my child's mental health services	48	4.04	0.68	2.00	5.00
P12AF9r	Reversed: What goes on in mental health services is just too complicated for me to deal with	48	4.04	0.80	2.00	5.00
P12AF10r	Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	47	4.00	0.98	2.00	5.00
P12AF11r	Reversed: There is little I can do to change what is done by the people who provide treatment for my child	47	3.79	1.00	2.00	5.00
P12AF12r	Reversed: I often feel that it is hopeless to try to deal with mental health services	48	4.02	0.81	2.00	5.00
P12AF13	I find it easy to tell service providers how my child and family should be treated	48	3.85	0.99	2.00	5.00
P12AF14	My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	47	3.77	1.00	1.00	5.00
P12AF15r	Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	47	3.83	0.92	2.00	5.00
P12AF16r	Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	47	3.98	0.97	2.00	5.00
P12AF17	Parents like me can change the course of our children's treatment if we make ourselves heard	47	4.19	0.95	1.00	5.00
P12AF18	What I do to work with mental health services will help my child to get the best possible treatment	47	4.19	0.71	2.00	5.00
P12AF19r	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	47	4.06	0.92	2.00	5.00
P12AF20	I look forward to participating actively in my child's treatment plan	47	4.13	0.77	2.00	5.00
P12AF21	I intend to be involved in the plan for my child's treatment	47	4.26	0.67	2.00	5.00
P12AF22r	Reversed: I feel overwhelmed when asked to do things about my child's treatment	47	4.00	0.98	2.00	5.00
P12AF23r	Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	47	3.64	1.11	1.00	5.00
P12AF24	Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	47	3.30	1.08	1.00	5.00
P12AF25r	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	47	3.70	0.98	2.00	5.00
P12AF26	I have made an important difference in the mental health treatment that my child has received	47	3.64	0.92	1.00	5.00
P12AF27r	Reversed: I don't know how to get information on the best mental health services for my child	47	3.89	0.98	1.00	5.00
P12AF28	I have seen other parents deal effectively with mental health services for their children	47	3.21	1.00	1.00	5.00

Descriptive Statistics for Scale & Items - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P12AF29	Other parents have taught me how to get what my child needs from mental health services	47	2.66	1.09	1.00	5.00
P12AF30r	Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	47	4.28	0.85	1.00	5.00

Descriptive Statistics for Scale & Items - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
VMH12sef	Y12 Mental Health Self-Efficacy Scale	54	96.76	15.05	60.00	125.00
P12AF6	I believe that I can help mental health service providers in treating my child	55	4.04	0.90	2.00	5.00
P12AF7r	Reversed: There is not much that I can do to work with mental health services	55	4.02	0.95	2.00	5.00
P12AF8	I know that I can do what needs to be done to work with my child's mental health services	55	4.09	0.82	2.00	5.00
P12AF9r	Reversed: What goes on in mental health services is just too complicated for me to deal with	55	4.09	0.95	2.00	5.00
P12AF10r	Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	54	4.09	1.05	2.00	5.00
P12AF11r	Reversed: There is little I can do to change what is done by the people who provide treatment for my child	54	3.78	1.18	1.00	5.00
P12AF12r	Reversed: I often feel that it is hopeless to try to deal with mental health services	55	4.04	0.96	1.00	5.00
P12AF13	I find it easy to tell service providers how my child and family should be treated	55	3.64	1.08	1.00	5.00
P12AF14	My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	54	3.65	0.99	1.00	5.00
P12AF15r	Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	54	3.87	0.95	1.00	5.00
P12AF16r	Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	54	3.98	0.90	2.00	5.00
P12AF17	Parents like me can change the course of our children's treatment if we make ourselves heard	54	4.20	0.90	1.00	5.00
P12AF18	What I do to work with mental health services will help my child to get the best possible treatment	54	4.11	0.77	2.00	5.00
P12AF19r	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	4.13	0.97	2.00	5.00
P12AF20	I look forward to participating actively in my child's treatment plan	54	4.07	0.82	2.00	5.00
P12AF21	I intend to be involved in the plan for my child's treatment	54	4.20	0.71	2.00	5.00
P12AF22r	Reversed: I feel overwhelmed when asked to do things about my child's treatment	54	4.09	1.01	2.00	5.00
P12AF23r	Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	54	3.65	1.17	1.00	5.00
P12AF24	Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	54	3.48	0.97	1.00	5.00
P12AF25r	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	3.83	1.02	2.00	5.00

Descriptive Statistics for Scale & Items - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P12AF26	I have made an important difference in the mental health treatment that my child has received	54	3.70	0.84	1.00	5.00
P12AF27r	Reversed: I don't know how to get information on the best mental health services for my child	54	3.94	0.96	2.00	5.00
P12AF28	I have seen other parents deal effectively with mental health services for their children	54	3.07	1.20	1.00	5.00
P12AF29	Other parents have taught me how to get what my child needs from mental health services	54	2.59	1.02	1.00	5.00
P12AF30r	Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	54	4.31	0.93	1.00	5.00

VII. Item and Scale Correlations

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations										
	VMH12sef	P12AF6	P12AF7r	P12AF8	P12AF9r	P12AF10r	P12AF11r	P12AF12r	P12AF13	P12AF14
VMH12sef Y12 Mental Health Self-Efficacy Scale	1.000 81	0.474 0.000 81	0.730 0.000 81	0.755 0.000 81	0.739 0.000 81	0.686 0.000 81	0.698 0.000 81	0.750 0.000 81	0.452 0.000 81	0.650 0.000 81
P12AF6 I believe that I can help mental health service providers in treating my child	0.474 0.000 81	1.000 82	0.498 0.000 82	0.378 0.000 82	0.274 0.013 82	0.268 0.015 81	0.258 0.020 81	0.372 0.001 82	0.098 0.381 82	0.412 0.000 81
P12AF7r Reversed: There is not much that I can do to work with mental health services	0.730 0.000 81	0.498 0.000 82	1.000 82	0.509 0.000 82	0.650 0.000 82	0.522 0.000 81	0.621 0.000 81	0.640 0.000 82	0.216 0.051 82	0.565 0.000 81
P12AF8 I know that I can do what needs to be done to work with my child's mental health services	0.755 0.000 81	0.378 0.000 82	0.509 0.000 82	1.000 82	0.580 0.000 82	0.481 0.000 81	0.431 0.000 81	0.508 0.000 82	0.342 0.002 82	0.445 0.000 81
P12AF9r Reversed: What goes on in mental health services is just too complicated for me to deal with	0.739 0.000 81	0.274 0.013 82	0.650 0.000 82	0.580 0.000 82	1.000 82	0.711 0.000 81	0.581 0.000 81	0.573 0.000 82	0.181 0.103 82	0.403 0.000 81
P12AF10r Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	0.686 0.000 81	0.268 0.015 81	0.522 0.000 81	0.481 0.000 81	0.711 0.000 81	1.000 81	0.677 0.000 81	0.629 0.000 81	0.243 0.029 81	0.311 0.005 81
P12AF11r Reversed: There is little I can do to change what is done by the people who provide treatment for my child	0.698 0.000 81	0.258 0.020 81	0.621 0.000 81	0.431 0.000 81	0.581 0.000 81	0.677 0.000 81	1.000 81	0.664 0.000 81	0.317 0.004 81	0.458 0.000 81
P12AF12r Reversed: I often feel that it is hopeless to try to deal with mental health services	0.750 0.000 81	0.372 0.001 82	0.640 0.000 82	0.508 0.000 82	0.573 0.000 82	0.629 0.000 81	0.664 0.000 81	1.000 82	0.209 0.059 82	0.374 0.001 81
P12AF13 I find it easy to tell service providers how my child and family should be treated	0.452 0.000 81	0.098 0.381 82	0.216 0.051 82	0.342 0.002 82	0.181 0.103 82	0.243 0.029 81	0.317 0.004 81	0.209 0.059 82	1.000 82	0.476 0.000 81
P12AF14 My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	0.650 0.000 81	0.412 0.000 81	0.565 0.000 81	0.445 0.000 81	0.403 0.000 81	0.311 0.005 81	0.458 0.000 81	0.374 0.001 81	0.476 0.000 81	1.000 81
P12AF15r Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	0.704 0.000 81	0.260 0.019 81	0.524 0.000 81	0.587 0.000 81	0.432 0.000 81	0.405 0.000 81	0.491 0.000 81	0.537 0.000 81	0.297 0.007 81	0.414 0.000 81
P12AF16r Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	0.809 0.000 81	0.249 0.025 81	0.548 0.000 81	0.525 0.000 81	0.544 0.000 81	0.518 0.000 81	0.612 0.000 81	0.504 0.000 81	0.368 0.001 81	0.489 0.000 81
P12AF17 Parents like me can change the course of our children's treatment if we make ourselves heard	0.710 0.000 81	0.209 0.061 81	0.519 0.000 81	0.637 0.000 81	0.455 0.000 81	0.379 0.000 81	0.393 0.000 81	0.462 0.000 81	0.400 0.000 81	0.610 0.000 81
P12AF18 What I do to work with mental health services will help my child to get the best possible treatment	0.715 0.000 81	0.385 0.000 81	0.526 0.000 81	0.595 0.000 81	0.559 0.000 81	0.321 0.003 81	0.363 0.001 81	0.527 0.000 81	0.239 0.032 81	0.547 0.000 81
P12AF19r 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	0.667 0.000 81	0.255 0.021 81	0.545 0.000 81	0.363 0.001 81	0.658 0.000 81	0.618 0.000 81	0.505 0.000 81	0.579 0.000 81	0.157 0.162 81	0.316 0.004 81

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations										
	VMH12sef	P12AF6	P12AF7r	P12AF8	P12AF9r	P12AF10r	P12AF11r	P12AF12r	P12AF13	P12AF14
P12AF20 I look forward to participating actively in my child's treatment plan	0.678 0.000 81	0.341 0.002 81	0.365 0.001 81	0.564 0.000 81	0.530 0.000 81	0.393 0.000 81	0.319 0.004 81	0.498 0.000 81	0.240 0.031 81	0.418 0.000 81
P12AF21 I intend to be involved in the plan for my child's treatment	0.734 0.000 81	0.391 0.000 81	0.506 0.000 81	0.618 0.000 81	0.619 0.000 81	0.413 0.000 81	0.357 0.001 81	0.513 0.000 81	0.303 0.006 81	0.483 0.000 81
P12AF22r Reversed: I feel overwhelmed when asked to do things about my child's treatment	0.695 0.000 81	0.203 0.070 81	0.433 0.000 81	0.437 0.000 81	0.673 0.000 81	0.698 0.000 81	0.523 0.000 81	0.536 0.000 81	0.372 0.001 81	0.344 0.002 81
P12AF23r Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	0.707 0.000 81	0.290 0.009 81	0.468 0.000 81	0.478 0.000 81	0.432 0.000 81	0.361 0.001 81	0.407 0.000 81	0.481 0.000 81	0.370 0.001 81	0.357 0.001 81
P12AF24 Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	0.519 0.000 81	0.395 0.000 81	0.353 0.001 81	0.374 0.001 81	0.158 0.159 81	0.181 0.106 81	0.316 0.004 81	0.384 0.000 81	0.155 0.168 81	0.299 0.007 81
P12AF25r 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	0.609 0.000 81	0.243 0.029 81	0.431 0.000 81	0.440 0.000 81	0.468 0.000 81	0.456 0.000 81	0.416 0.000 81	0.390 0.000 81	0.202 0.071 81	0.439 0.000 81
P12AF26 I have made an important difference in the mental health treatment that my child has received	0.622 0.000 81	0.163 0.145 81	0.444 0.000 81	0.542 0.000 81	0.364 0.001 81	0.300 0.006 81	0.351 0.001 81	0.412 0.000 81	0.242 0.030 81	0.574 0.000 81
P12AF27r Reversed: I don't know how to get information on the best mental health services for my child	0.698 0.000 81	0.145 0.196 81	0.332 0.002 81	0.460 0.000 81	0.467 0.000 81	0.561 0.000 81	0.497 0.000 81	0.428 0.000 81	0.192 0.087 81	0.322 0.003 81
P12AF28 I have seen other parents deal effectively with mental health services for their children	0.396 0.000 81	0.124 0.270 81	0.105 0.352 81	0.303 0.006 81	0.164 0.144 81	0.179 0.110 81	0.138 0.219 81	0.235 0.035 81	0.173 0.123 81	0.027 0.810 81
P12AF29 Other parents have taught me how to get what my child needs from mental health services	-0.016 0.889 81	0.076 0.501 81	-0.151 0.178 81	0.036 0.752 81	-0.259 0.020 81	-0.277 0.012 81	-0.125 0.265 81	-0.155 0.167 81	0.076 0.501 81	-0.028 0.805 81
P12AF30r Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	0.464 0.000 81	0.145 0.197 81	0.246 0.027 81	0.293 0.008 81	0.444 0.000 81	0.346 0.002 81	0.190 0.089 81	0.429 0.000 81	0.018 0.872 81	0.096 0.396 81

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations									
	P12AF15r	P12AF16r	P12AF17	P12AF18	P12AF19r	P12AF20	P12AF21	P12AF22r	P12AF23r
VMH12sef Y12 Mental Health Self-Efficacy Scale	0.704 0.000 81	0.809 0.000 81	0.710 0.000 81	0.715 0.000 81	0.667 0.000 81	0.678 0.000 81	0.734 0.000 81	0.695 0.000 81	0.707 0.000 81
P12AF6 I believe that I can help mental health service providers in treating my child	0.260 0.019 81	0.249 0.025 81	0.209 0.061 81	0.385 0.000 81	0.255 0.021 81	0.341 0.002 81	0.391 0.000 81	0.203 0.070 81	0.290 0.009 81
P12AF7r Reversed: There is not much that I can do to work with mental health services	0.524 0.000 81	0.548 0.000 81	0.519 0.000 81	0.526 0.000 81	0.545 0.000 81	0.365 0.001 81	0.506 0.000 81	0.433 0.000 81	0.468 0.000 81
P12AF8 I know that I can do what needs to be done to work with my child's mental health services	0.587 0.000 81	0.525 0.000 81	0.637 0.000 81	0.595 0.000 81	0.363 0.001 81	0.564 0.000 81	0.618 0.000 81	0.437 0.000 81	0.478 0.000 81

Pearson Correlation Coefficients									
Prob > r under H0: Rho=0									
Number of Observations									
	P12AF15r	P12AF16r	P12AF17	P12AF18	P12AF19r	P12AF20	P12AF21	P12AF22r	P12AF23r
P12AF9r Reversed: What goes on in mental health services is just too complicated for me to deal with	0.432 0.000 81	0.544 0.000 81	0.455 0.000 81	0.559 0.000 81	0.658 0.000 81	0.530 0.000 81	0.619 0.000 81	0.673 0.000 81	0.432 0.000 81
P12AF10r Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	0.405 0.000 81	0.518 0.000 81	0.379 0.000 81	0.321 0.003 81	0.618 0.000 81	0.393 0.000 81	0.413 0.000 81	0.698 0.000 81	0.361 0.001 81
P12AF11r Reversed: There is little I can do to change what is done by the people who provide treatment for my child	0.491 0.000 81	0.612 0.000 81	0.393 0.000 81	0.363 0.001 81	0.505 0.000 81	0.319 0.004 81	0.357 0.001 81	0.523 0.000 81	0.407 0.000 81
P12AF12r Reversed: I often feel that it is hopeless to try to deal with mental health services	0.537 0.000 81	0.504 0.000 81	0.462 0.000 81	0.527 0.000 81	0.579 0.000 81	0.498 0.000 81	0.513 0.000 81	0.536 0.000 81	0.481 0.000 81
P12AF13 I find it easy to tell service providers how my child and family should be treated	0.297 0.007 81	0.368 0.001 81	0.400 0.000 81	0.239 0.032 81	0.157 0.162 81	0.240 0.031 81	0.303 0.006 81	0.372 0.001 81	0.370 0.001 81
P12AF14 My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	0.414 0.000 81	0.489 0.000 81	0.610 0.000 81	0.547 0.000 81	0.316 0.004 81	0.418 0.000 81	0.483 0.000 81	0.344 0.002 81	0.357 0.001 81
P12AF15r Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	1.000 81	0.644 0.000 81	0.530 0.000 81	0.532 0.000 81	0.396 0.000 81	0.315 0.004 81	0.372 0.001 81	0.458 0.000 81	0.545 0.000 81
P12AF16r Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	0.644 0.000 81	1.000 81	0.626 0.000 81	0.599 0.000 81	0.596 0.000 81	0.499 0.000 81	0.559 0.000 81	0.507 0.000 81	0.723 0.000 81
P12AF17 Parents like me can change the course of our children's treatment if we make ourselves heard	0.530 0.000 81	0.626 0.000 81	1.000 81	0.648 0.000 81	0.328 0.003 81	0.539 0.000 81	0.596 0.000 81	0.344 0.002 81	0.449 0.000 81
P12AF18 What I do to work with mental health services will help my child to get the best possible treatment	0.532 0.000 81	0.599 0.000 81	0.648 0.000 81	1.000 81	0.321 0.003 81	0.701 0.000 81	0.762 0.000 81	0.325 0.003 81	0.513 0.000 81
P12AF19r 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	0.396 0.000 81	0.596 0.000 81	0.328 0.003 81	0.321 0.003 81	1.000 81	0.454 0.000 81	0.448 0.000 81	0.623 0.000 81	0.417 0.000 81
P12AF20 I look forward to participating actively in my child's treatment plan	0.315 0.004 81	0.499 0.000 81	0.539 0.000 81	0.701 0.000 81	0.454 0.000 81	1.000 81	0.840 0.000 81	0.459 0.000 81	0.450 0.000 81
P12AF21 I intend to be involved in the plan for my child's treatment	0.372 0.001 81	0.559 0.000 81	0.596 0.000 81	0.762 0.000 81	0.448 0.000 81	0.840 0.000 81	1.000 81	0.453 0.000 81	0.448 0.000 81
P12AF22r Reversed: I feel overwhelmed when asked to do things about my child's treatment	0.458 0.000 81	0.507 0.000 81	0.344 0.002 81	0.325 0.003 81	0.623 0.000 81	0.459 0.000 81	0.453 0.000 81	1.000 81	0.393 0.000 81
P12AF23r Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	0.545 0.000 81	0.723 0.000 81	0.449 0.000 81	0.513 0.000 81	0.417 0.000 81	0.450 0.000 81	0.448 0.000 81	0.393 0.000 81	1.000 81

Pearson Correlation Coefficients									
Prob > r under H0: Rho=0									
Number of Observations									
	P12AF15r	P12AF16r	P12AF17	P12AF18	P12AF19r	P12AF20	P12AF21	P12AF22r	P12AF23r
P12AF24 Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	0.486 0.000 81	0.465 0.000 81	0.363 0.001 81	0.384 0.000 81	0.247 0.026 81	0.201 0.072 81	0.241 0.030 81	0.248 0.025 81	0.455 0.000 81
P12AF25r 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	0.377 0.001 81	0.448 0.000 81	0.402 0.000 81	0.262 0.018 81	0.544 0.000 81	0.392 0.000 81	0.380 0.000 81	0.507 0.000 81	0.305 0.006 81
P12AF26 I have made an important difference in the mental health treatment that my child has received	0.458 0.000 81	0.452 0.000 81	0.565 0.000 81	0.519 0.000 81	0.197 0.078 81	0.409 0.000 81	0.512 0.000 81	0.215 0.053 81	0.395 0.000 81
P12AF27r Reversed: I don't know how to get information on the best mental health services for my child	0.507 0.000 81	0.647 0.000 81	0.376 0.001 81	0.386 0.000 81	0.549 0.000 81	0.439 0.000 81	0.411 0.000 81	0.576 0.000 81	0.506 0.000 81
P12AF28 I have seen other parents deal effectively with mental health services for their children	0.174 0.119 81	0.267 0.016 81	0.157 0.161 81	0.203 0.068 81	0.179 0.110 81	0.219 0.049 81	0.217 0.052 81	0.205 0.066 81	0.414 0.000 81
P12AF29 Other parents have taught me how to get what my child needs from mental health services	-0.025 0.828 81	-0.091 0.418 81	-0.043 0.701 81	-0.061 0.586 81	-0.298 0.007 81	-0.175 0.118 81	-0.111 0.326 81	-0.224 0.044 81	0.079 0.482 81
P12AF30r Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	0.261 0.018 81	0.320 0.004 81	0.271 0.015 81	0.295 0.008 81	0.456 0.000 81	0.494 0.000 81	0.460 0.000 81	0.523 0.000 81	0.203 0.070 81

Pearson Correlation Coefficients							
Prob > r under H0: Rho=0							
Number of Observations							
	P12AF24	P12AF25r	P12AF26	P12AF27r	P12AF28	P12AF29	P12AF30r
VMH12sef Y12 Mental Health Self-Efficacy Scale	0.519 0.000 81	0.609 0.000 81	0.622 0.000 81	0.698 0.000 81	0.396 0.000 81	-0.016 0.889 81	0.464 0.000 81
P12AF6 I believe that I can help mental health service providers in treating my child	0.395 0.000 81	0.243 0.029 81	0.163 0.145 81	0.145 0.196 81	0.124 0.270 81	0.076 0.501 81	0.145 0.197 81
P12AF7r Reversed: There is not much that I can do to work with mental health services	0.353 0.001 81	0.431 0.000 81	0.444 0.000 81	0.332 0.002 81	0.105 0.352 81	-0.151 0.178 81	0.246 0.027 81
P12AF8 I know that I can do what needs to be done to work with my child's mental health services	0.374 0.001 81	0.440 0.000 81	0.542 0.000 81	0.460 0.000 81	0.303 0.006 81	0.036 0.752 81	0.293 0.008 81
P12AF9r Reversed: What goes on in mental health services is just too complicated for me to deal with	0.158 0.159 81	0.468 0.000 81	0.364 0.001 81	0.467 0.000 81	0.164 0.144 81	-0.259 0.020 81	0.444 0.000 81
P12AF10r Reversed: It is only wishful thinking to believe that I can really be part of my child's mental health services	0.181 0.106 81	0.456 0.000 81	0.300 0.006 81	0.561 0.000 81	0.179 0.110 81	-0.277 0.012 81	0.346 0.002 81
P12AF11r Reversed: There is little I can do to change what is done by the people who provide treatment for my child	0.316 0.004 81	0.416 0.000 81	0.351 0.001 81	0.497 0.000 81	0.138 0.219 81	-0.125 0.265 81	0.190 0.089 81

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations							
	P12AF24	P12AF25r	P12AF26	P12AF27r	P12AF28	P12AF29	P12AF30r
P12AF12r Reversed: I often feel that it is hopeless to try to deal with mental health services	0.384 0.000 81	0.390 0.000 81	0.412 0.000 81	0.428 0.000 81	0.235 0.035 81	-0.155 0.167 81	0.429 0.000 81
P12AF13 I find it easy to tell service providers how my child and family should be treated	0.155 0.168 81	0.202 0.071 81	0.242 0.030 81	0.192 0.087 81	0.173 0.123 81	0.076 0.501 81	0.018 0.872 81
P12AF14 My skills in dealing with mental health services will help me to change things that might be wrong with my child's treatment	0.299 0.007 81	0.439 0.000 81	0.574 0.000 81	0.322 0.003 81	0.027 0.810 81	-0.028 0.805 81	0.096 0.396 81
P12AF15r Reversed: No matter how hard I try, my child won't get the mental health services that my child needs	0.486 0.000 81	0.377 0.001 81	0.458 0.000 81	0.507 0.000 81	0.174 0.119 81	-0.025 0.828 81	0.261 0.018 81
P12AF16r Reversed: When something goes wrong with my child's treatment, there is little I can do to affect services	0.465 0.000 81	0.448 0.000 81	0.452 0.000 81	0.647 0.000 81	0.267 0.016 81	-0.091 0.418 81	0.320 0.004 81
P12AF17 Parents like me can change the course of our children's treatment if we make ourselves heard	0.363 0.001 81	0.402 0.000 81	0.565 0.000 81	0.376 0.001 81	0.157 0.161 81	-0.043 0.701 81	0.271 0.015 81
P12AF18 What I do to work with mental health services will help my child to get the best possible treatment	0.384 0.000 81	0.262 0.018 81	0.519 0.000 81	0.386 0.000 81	0.203 0.068 81	-0.061 0.586 81	0.295 0.008 81
P12AF19r 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	0.247 0.026 81	0.544 0.000 81	0.197 0.078 81	0.549 0.000 81	0.179 0.110 81	-0.298 0.007 81	0.456 0.000 81
P12AF20 I look forward to participating actively in my child's treatment plan	0.201 0.072 81	0.392 0.000 81	0.409 0.000 81	0.439 0.000 81	0.219 0.049 81	-0.175 0.118 81	0.494 0.000 81
P12AF21 I intend to be involved in the plan for my child's treatment	0.241 0.030 81	0.380 0.000 81	0.512 0.000 81	0.411 0.000 81	0.217 0.052 81	-0.111 0.326 81	0.460 0.000 81
P12AF22r Reversed: I feel overwhelmed when asked to do things about my child's treatment	0.248 0.025 81	0.507 0.000 81	0.215 0.053 81	0.576 0.000 81	0.205 0.066 81	-0.224 0.044 81	0.523 0.000 81
P12AF23r Reversed: I have hardly ever gotten what my child needed from mental health services, no matter what I have done	0.455 0.000 81	0.305 0.006 81	0.395 0.000 81	0.506 0.000 81	0.414 0.000 81	0.079 0.482 81	0.203 0.070 81
P12AF24 Dealing with mental health services on behalf of my child turned out to be easier than I thought it would	1.000 81	0.158 0.159 81	0.409 0.000 81	0.367 0.001 81	0.276 0.013 81	0.073 0.515 81	0.013 0.911 81
P12AF25r 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	0.158 0.159 81	1.000 81	0.375 0.001 81	0.531 0.000 81	0.103 0.361 81	-0.081 0.474 81	0.314 0.004 81
P12AF26 I have made an important difference in the mental health treatment that my child has received	0.409 0.000 81	0.375 0.001 81	1.000 81	0.437 0.000 81	0.208 0.063 81	0.085 0.452 81	0.167 0.137 81

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations							
	P12AF24	P12AF25r	P12AF26	P12AF27r	P12AF28	P12AF29	P12AF30r
P12AF27r Reversed: I don't know how to get information on the best mental health services for my child	0.367 0.001 81	0.531 0.000 81	0.437 0.000 81	1.000 81	0.355 0.001 81	-0.060 0.594 81	0.409 0.000 81
P12AF28 I have seen other parents deal effectively with mental health services for their children	0.276 0.013 81	0.103 0.361 81	0.208 0.063 81	0.355 0.001 81	1.000 81	0.405 0.000 81	0.163 0.147 81
P12AF29 Other parents have taught me how to get what my child needs from mental health services	0.073 0.515 81	-0.081 0.474 81	0.085 0.452 81	-0.060 0.594 81	0.405 0.000 81	1.000 81	-0.146 0.192 81
P12AF30r Reversed: No matter what others say or do, I do not think that I should be involved in my child's treatment	0.013 0.911 81	0.314 0.004 81	0.167 0.137 81	0.409 0.000 81	0.163 0.147 81	-0.146 0.192 81	1.000 81

Appendix – SAS Scoring Program
(Scoring program removed)