Life Changes
Grade 6/Year 7
Fast Track Project Technical Report
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Table of Contents

Appendices:
SAS scoring program

Citations
Instrument
      Dodge, K.A., Bates, J.E., and Pettit, G.S. (1990). Mechanisms in the cycle of violence. Science, *250*, 1678-1683.

Reports
      Rains, C. (2002). *Life Changes* (Fast Track Project Technical Report). Available from the Fast Track Project website: http://www.fasttrackproject.org

      Miller-Johnson, S. and Maumary-Gremaud, A. (1995). *Developmental History and Life Changes* (Fast Track Project Technical Report). Durham, NC: Duke University.

Data Sources
Raw: P7C

Scored: LCH7

I. **Scale Description**

The Life Changes measure, which was originally part of a larger measure called Developmental History, consists of a 15-minute interview that is completed with the parent as part of the summer interview. The Developmental History, developed and used by Dodge and colleagues (1990), is part of a longitudinal study of family origins of children's behavior problems. The measure assesses a number of constructs: perceptions of the parent-child relationship, developmental history, life changes, child care history, discipline strategies, expected success of child in life, school, and service utilization.

There are five versions of the Developmental History measure, based on the time point of administration. Version 1 is administered during year 1 and includes all of the constructs listed above. In addition, the life changes items are asked both for the pre-kindergarten and kindergarten years. Version 2 is administered during year 2 and includes: perceptions of the parent-child relationship, life changes (only for the previous year), discipline strategies, expected success of child in life and school, and service utilization items. In year 3, the Life Changes measure includes only four areas: perceptions of the parent-child relationship, life changes for the previous year, discipline strategies, and service utilization items. The fourth version is given during year 4 and includes the same four areas as in year 3; however, the choices for discipline strategies changed. Finally, in year 5 and thereafter, respondents are asked only questions about life changes for the previous year and about service utilization.

The Life Changes measure has been modified over time but the basic items are primarily still the same. The measure first assesses whether any events, major or minor, have occurred during the past year for the child; examples of these events include a parent's divorce or death, a move to a new location, or financial problems. These questions are rated on a scale of 0 (did not occur), 1 (minor), and 2 (major). The parent is then asked open-ended questions about his/her relationship with the child; these answers are then scored, as are the interviewer's impressions of the parent for these questions, on a scale of 1 to 5, with 1 representing a very negative response and 5 representing a very positive response. Next, the interviewer describes a series of six situations, and the parent is asked to describe how she/he would handle the misbehavior in that situation (i.e. ignoring the actions, reasoning, directions, etc.). Interviewers then code these responses as 0 (not mentioned) or 1 (mentioned). Lastly, the parent answers questions about the family's use of treatment services during the past year.

II. Report Sample

These exploratory analyses were conducted with the first cohort on the control sample (n=155) and on the normative sample (n=387, 463 with overlap) during the seventh year of the study. Overall, 60 records were missing the whole measure. 16 were missing from the control sample (4 from Durham, 3 from Nashville, 4 from Pennsylvania, and 5 from Washington) and 52 were missing from the normative sample (9 from Durham, 13 from Nashville, 10 from Pennsylvania, and 20 from Washington).

In addition, it should be noted that 302 records were missing 3 or more items; of these, 88 were from the control sample (28 from Durham, 18 from Nashville, 21 from Pennsylvania, and 21 from Washington) and 258 were from the normative sample (75 from Durham, 58 from Nashville, 72 from Pennsylvania, and 53 from Washington); a number of these were from the overlap sample.

Three items in particular were missing responses: what type of treatment facility the child had used for emotional or behavioral difficulties in the past year (337 missing), what type of treatment facility the respondent had used in the past year (350 missing) and which other member of the family had received treatment (353 missing).

III. Scaling

As noted earlier, there are four main sections to the Life Changes measure: perceptions of the parent-child relationship, life changes (only for the previous year), discipline strategies, and service utilization items. These are then broken down into eleven subscales, which are described as follows.

Two subscales measure the perceptions of the parent-child relationship: *Quality of Parent-Child Relationship - Parent Rating* (items PxC18, PxC219R, PxC20, PxC21) and *Quality of Parent-Child Relationship - Observer Rating* (items P2x22, PxC23, PxC24, PxC25). The mean value is calculated for each of these subscales.

The third subscale, called the *Stress Scale Sum Score* is summed across the scale to represent the cumulative total of life changes experienced by the family.

The rest of the subscales come as part of the section on discipline strategies. In this portion of the measure, the parent is presented with a series of vignettes that cover episodes of child misbehavior. The parent is asked to describe how they would respond to the scenario. The interviewer then rates whether or not the parent mentioned using any of the following discipline strategies: ignore, reasoning, inductive reasoning, verbal punishment, withdrawal of privileges, commands, proactive guidance, or physical punishment. During year 4 of this study, the strategies change and remain the same for the later years. The new strategies in year 4 are: contingent ignoring, doing nothing, reasoning/inductive reasoning/proactive guidance, inappropriate verbal correction, appropriate verbal correction, withdrawal of privileges, directives, or physical punishment.

Each of the discipline strategies are summed across the vignettes, averaged, and maintained as a

separate scale score. In other words, the items on the scale represent the responses for each vignette for that specific discipline strategy. The subscales based on the vignettes are not included after year 4 because the items involved in these subscales are dropped after year 4.

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

Cronbach's Alpha for Scales		
Variable	Normative	High Risk Control
Y7 LC Quality Parent-Child Relat_Observ (LCH7qob)	0.86	0.82
Y7 LC Quality Parent-Child Relat_Parent (LCH7qpr)	0.73	0.75
Y7 LC Stress Scale sum score (LCH7str)	0.63	0.65

Both the *Quality of the Parent-Child Relationship-parent version* and the *Quality of the Parent-Child Relationship-observer version* showed adequate reliability for internal consistency. The *Stress Scale Sum Score* showed a lower reliability for both samples, but the reliability was moderate.

IV. <u>Differences Between Groups</u>

A series of t-tests indicated significant differences between the normative and control samples for all three subscales. Two of the subscales, the *Quality of the Parent-Child Relationship-parent version* and the *Quality of the Parent-Child Relationship-observer version* showed the mean for the normative sample to be greater than the mean for the control sample.

Of the 8 items not included in the scales, three have statistically significant differences between the normative and control samples. They were whether the child had received treatment for emotional or behavioral difficulties (P7C74), whether the child had received medication to control behavior or attention (P7C76), and whether the respondent had received treatment during the past year for personal or emotional difficulties (P7C77).

Comparison of Means for Normative and Control for Scales							
	Normative		Control				
Variable	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
Y7 LC Quality Parent-Child Relat_Observer (LCH7qob)	3.77	0.77	3.48	0.72	401	-3.67	0.0003
Y7 LC Quality Parent-Child Relat_Parent (LCH7qpr)	4.03	0.65	3.56	0.71	401	-6.63	<.0001
Y7 LC Stress Scale sum score (LCH7str)	3.67	3.37	4.69	4.03	241	2.57	0.0109

Comparison of Means for Normative and Control for Items							
	Normative		Control				
Variable	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
TC: reaction to changes (P7C17)	2.67	1.15	2.65	1.19	375	-0.14	0.8870
TC receive Tx for emot. diff. (P7C74)	0.06	0.25	0.31	0.46	180	5.81	<.0001
Type of Tx facility-TC (P7C75)	1.61	1.12	2.12	0.63	29.5	2.02	0.0530
TC receive Rx for behav./attn. prob. (P7C76)	0.03	0.18	0.23	0.42	166	5.20	<.0001
Respondent receive Tx (P7C77)	0.10	0.30	0.18	0.39	228	2.06	0.0405
Type of Tx facility-Respondent (P7C78)	2.39	1.03	2.52	1.08	51	0.44	0.6637

Comparison of Means for Normative and Control for Items							
	Normative		Control				
Variable	Mean	Std Dev	Mean	Std Dev	DF	t Value	Pr > |t|
Others in family receive Tx (P7C79)	0.11	0.32	0.14	0.35	401	0.87	0.3825
Which other family-Tx (P7C80)	2.30	0.47	2.30	0.47	48	0.00	1.0000

V. Recommendations for Use

Analysts should note that the distributions for the *Quality of the Parent-Child Relationship-parent version* and the *Quality of the Parent-Child Relationship-observer version* were fairly normal for both the normative and control samples. The *Stress Scale Sum Score* was positively skewed for both samples.

VI. Item and Scale Means and SDs

Descriptive Statistics for Items - High Risk Control Sample						
Variable	**Label**	**N**	**Mean**	**Std Dev**	**Minimum**	**Maximum**
P7C1	Changes: moved/major remodeling	139	0.48	0.79	0.00	2.00
P7C2	Changes: medical problems w/TC	139	0.23	0.59	0.00	2.00
P7C3	Changes: medical problems w/family	139	0.60	0.81	0.00	2.00
P7C4	Changes: death of important person	139	0.45	0.78	0.00	2.00
P7C5	Changes: divorce of TC's parents	139	0.09	0.42	0.00	2.00
P7C6	Changes: separation of TC's parents	139	0.10	0.42	0.00	2.00
P7C7	Changes: remarriage/reconciliation	139	0.05	0.30	0.00	2.00
P7C8	Changes: parent/child separation	138	0.26	0.58	0.00	2.00
P7C9	Changes: financial problems	139	0.57	0.77	0.00	2.00
P7C10	Changes: legal problems	139	0.15	0.50	0.00	2.00
P7C11	Changes: drug/alcohol use	139	0.22	0.60	0.00	2.00
P7C12	Changes: stress/conflicts	139	0.32	0.65	0.00	2.00
P7C13	Changes: pregnancies/miscarriages	139	0.14	0.47	0.00	2.00
P7C14	Changes: job-related stress	139	0.40	0.66	0.00	2.00
P7C15	Changes: loss of job	139	0.19	0.55	0.00	2.00
P7C16	Changes: other	128	0.46	0.83	0.00	2.00
P7C17	TC: reaction to changes	132	2.65	1.19	1.00	5.00
P7C18	p-rating #1: satisfaction w/parent role	139	3.96	0.92	1.00	5.00
P7C19	p-rating #2: child difficulty	139	3.19	0.92	1.00	5.00
P7C20	p-rating #3: parent-child relationship	139	3.99	0.88	1.00	5.00
P7C21	p-rating #4: satisfaction child behav	139	3.50	1.01	1.00	5.00
P7C22	i-rating #1: parent description of TC	139	3.73	0.97	1.00	5.00
P7C23	i-rating #2: parent insight about TC	139	3.37	0.96	1.00	5.00
P7C24	i-rating #3: parent affect	139	3.53	0.78	1.00	5.00
P7C25	i-rating #4: parent-child relationship	139	3.30	0.84	1.00	5.00
P7C74	TC receive Tx for emot. diff.	139	0.31	0.46	0.00	1.00
P7C75	Type of Tx facility-TC	43	2.12	0.63	1.00	3.00
P7C76	TC receive Rx for behav./attn. prob.	139	0.23	0.42	0.00	1.00
P7C77	Respondent receive Tx	138	0.18	0.39	0.00	1.00
P7C78	Type of Tx facility-Respondent	25	2.52	1.08	1.00	4.00
P7C79	Others in family receive Tx	139	0.14	0.35	0.00	1.00
P7C80	Which other family-Tx	20	2.30	0.47	2.00	3.00

Descriptive Statistics for Items - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
P7C1	Changes: moved/major remodeling	335	0.33	0.66	0.00	2.00
P7C2	Changes: medical problems w/TC	335	0.18	0.49	0.00	2.00
P7C3	Changes: medical problems w/family	335	0.59	0.84	0.00	2.00
P7C4	Changes: death of important person	335	0.40	0.74	0.00	2.00
P7C5	Changes: divorce of TC's parents	335	0.04	0.29	0.00	2.00
P7C6	Changes: separation of TC's parents	335	0.09	0.40	0.00	2.00
P7C7	Changes: remarriage/reconciliation	335	0.05	0.31	0.00	2.00
P7C8	Changes: parent/child separation	335	0.21	0.55	0.00	2.00
P7C9	Changes: financial problems	335	0.46	0.74	0.00	2.00
P7C10	Changes: legal problems	335	0.16	0.51	0.00	2.00
P7C11	Changes: drug/alcohol use	335	0.12	0.46	0.00	2.00
P7C12	Changes: stress/conflicts	335	0.25	0.58	0.00	2.00
P7C13	Changes: pregnancies/miscarriages	335	0.10	0.41	0.00	2.00
P7C14	Changes: job-related stress	335	0.41	0.69	0.00	2.00
P7C15	Changes: loss of job	335	0.17	0.52	0.00	2.00
P7C16	Changes: other	310	0.33	0.72	0.00	2.00
P7C17	TC: reaction to changes	312	2.63	1.16	1.00	5.00
P7C18	p-rating #1: satisfaction w/parent role	335	4.30	0.96	1.00	5.00
P7C19	p-rating #2: child difficulty	335	2.79	0.94	1.00	5.00
P7C20	p-rating #3: parent-child relationship	335	4.34	0.77	2.00	5.00
P7C21	p-rating #4: satisfaction child behav	335	3.91	0.93	1.00	5.00
P7C22	i-rating #1: parent description of TC	335	4.00	0.90	1.00	5.00
P7C23	i-rating #2: parent insight about TC	335	3.52	0.98	1.00	5.00
P7C24	i-rating #3: parent affect	335	3.78	0.79	1.00	5.00
P7C25	i-rating #4: parent-child relationship	334	3.59	0.86	1.00	5.00
P7C74	TC receive Tx for emot. diff.	335	0.12	0.33	0.00	1.00
P7C75	Type of Tx facility-TC	47	1.96	0.95	0.00	3.00
P7C76	TC receive Rx for behav./attn. prob.	330	0.06	0.24	0.00	1.00
P7C77	Respondent receive Tx	333	0.11	0.31	0.00	1.00
P7C78	Type of Tx facility-Respondent	37	2.43	1.04	0.00	4.00
P7C79	Others in family receive Tx	335	0.12	0.33	0.00	1.00
P7C80	Which other family-Tx	41	2.24	0.43	2.00	3.00

Descriptive Statistics for Subscales - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
LCH7qob	Y7 LC Quality Parent-Child Relat_Observer	139	3.48	0.72	1.25	5.00
LCH7qpr	Y7 LC Quality Parent-Child Relat_Parent	139	3.56	0.71	1.75	5.00
LCH7str	Y7 LC Stress Scale sum score	139	4.69	4.03	0.00	19.00

Descriptive Statistics for Subscales - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
LCH7qob	Y7 LC Quality Parent-Child Relat_Observer	335	3.72	0.74	1.25	5.00
LCH7qpr	Y7 LC Quality Parent-Child Relat_Parent	335	3.94	0.67	2.00	5.00
LCH7str	Y7 LC Stress Scale sum score	335	3.88	3.59	0.00	17.00

VII. Item and Scale Correlations

Item Correlations

	Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations										
	P7C1	**P7C2**	**P7C3**	**P7C4**	**P7C5**	**P7C6**	**P7C7**	**P7C8**	**P7C9**	**P7C10**	**P7C11**
P7C1 Changes: moved/major remodeling	1.000 403	0.015 0.764 403	-0.015 0.763 403	-0.028 0.570 403	0.026 0.604 403	0.165 0.001 403	0.146 0.003 403	0.094 0.061 402	0.141 0.004 403	0.044 0.383 403	0.126 0.011 403
P7C2 Changes: medical problems w/TC	0.015 0.764 403	1.000 403	0.021 0.670 403	0.062 0.211 403	0.011 0.824 403	-0.010 0.836 403	-0.002 0.972 403	0.071 0.157 402	0.051 0.309 403	0.012 0.812 403	0.136 0.006 403
P7C3 Changes: medical problems w/family	-0.015 0.763 403	0.021 0.670 403	1.000 403	0.122 0.015 403	0.067 0.182 403	0.076 0.125 403	0.096 0.055 403	0.150 0.003 402	0.162 0.001 403	0.028 0.571 403	0.081 0.106 403
P7C4 Changes: death of important person	-0.028 0.570 403	0.062 0.211 403	0.122 0.015 403	1.000 403	0.131 0.009 403	0.032 0.523 403	0.015 0.758 403	0.010 0.834 402	0.041 0.414 403	0.065 0.192 403	0.116 0.020 403
P7C5 Changes: divorce of TC's parents	0.026 0.604 403	0.011 0.824 403	0.067 0.182 403	0.131 0.009 403	1.000 403	0.437 0.000 403	0.087 0.082 403	0.130 0.009 402	0.187 0.000 403	0.241 0.000 403	0.181 0.000 403
P7C6 Changes: separation of TC's parents	0.165 0.001 403	-0.010 0.836 403	0.076 0.125 403	0.032 0.523 403	0.437 0.000 403	1.000 403	0.325 0.000 403	0.116 0.020 402	0.232 0.000 403	0.178 0.000 403	0.206 0.000 403
P7C7 Changes: remarriage/reconciliation	0.146 0.003 403	-0.002 0.972 403	0.096 0.055 403	0.015 0.758 403	0.087 0.082 403	0.325 0.000 403	1.000 403	0.104 0.037 402	0.127 0.011 403	-0.018 0.717 403	0.254 0.000 403
P7C8 Changes: parent/child separation	0.094 0.061 402	0.071 0.157 402	0.150 0.003 402	0.010 0.834 402	0.130 0.009 402	0.116 0.020 402	0.104 0.037 402	1.000 402	0.167 0.001 402	0.151 0.002 402	0.102 0.041 402
P7C9 Changes: financial problems	0.141 0.004 403	0.051 0.309 403	0.162 0.001 403	0.041 0.414 403	0.187 0.000 403	0.232 0.000 403	0.127 0.011 403	0.167 0.001 402	1.000 403	0.315 0.000 403	0.294 0.000 403
P7C10 Changes: legal problems	0.044 0.383 403	0.012 0.812 403	0.028 0.571 403	0.065 0.192 403	0.241 0.000 403	0.178 0.000 403	-0.018 0.717 403	0.151 0.002 402	0.315 0.000 403	1.000 403	0.237 0.000 403
P7C11 Changes: drug/alcohol use	0.126 0.011 403	0.136 0.006 403	0.081 0.106 403	0.116 0.020 403	0.181 0.000 403	0.206 0.000 403	0.254 0.000 403	0.102 0.041 402	0.294 0.000 403	0.237 0.000 403	1.000 403
P7C12 Changes: stress/conflicts	0.066 0.186 403	0.002 0.972 403	0.119 0.017 403	0.158 0.002 403	0.052 0.293 403	0.202 0.000 403	0.060 0.230 403	0.113 0.024 402	0.222 0.000 403	0.268 0.000 403	0.321 0.000 403
P7C13 Changes: pregnancies/miscarriages	-0.051 0.311 403	0.058 0.247 403	0.001 0.977 403	-0.042 0.401 403	-0.039 0.430 403	-0.059 0.241 403	-0.006 0.898 403	-0.001 0.987 402	-0.029 0.561 403	0.039 0.429 403	0.001 0.984 403
P7C14 Changes: job-related stress	0.113 0.023 403	0.119 0.017 403	0.098 0.048 403	0.000 0.997 403	0.012 0.806 403	0.181 0.000 403	0.131 0.009 403	0.194 0.000 402	0.342 0.000 403	0.208 0.000 403	0.085 0.089 403
P7C15 Changes: loss of job	0.073 0.145 403	-0.010 0.844 403	0.224 0.000 403	-0.021 0.680 403	-0.050 0.318 403	0.021 0.679 403	0.033 0.507 403	0.116 0.020 402	0.341 0.000 403	0.126 0.012 403	0.084 0.093 403
P7C16 Changes: other	0.054 0.303 371	0.036 0.490 371	0.051 0.330 371	0.156 0.003 371	0.047 0.371 371	-0.006 0.901 371	-0.018 0.729 371	0.217 0.000 370	0.171 0.001 371	0.068 0.189 371	0.096 0.064 371

8

	P7C1	**P7C2**	**P7C3**	**P7C4**	**P7C5**	**P7C6**	**P7C7**	**P7C8**	**P7C9**	**P7C10**	**P7C11**
		Pearson Correlation Coefficients									
		Prob > |r| under H0: Rho=0									
		Number of Observations									

	P7C1	**P7C2**	**P7C3**	**P7C4**	**P7C5**	**P7C6**	**P7C7**	**P7C8**	**P7C9**	**P7C10**	**P7C11**
P7C17 TC: reaction to changes	0.026 0.619 377	-0.006 0.910 377	-0.255 0.000 377	-0.197 0.000 377	-0.026 0.621 377	-0.092 0.076 377	-0.105 0.042 377	-0.200 0.000 376	-0.220 0.000 377	-0.085 0.100 377	-0.085 0.099 377
P7C18 p-rating #1: satisfaction w/parent role	-0.041 0.415 403	-0.047 0.343 403	-0.002 0.971 403	-0.058 0.248 403	-0.026 0.609 403	-0.071 0.153 403	-0.112 0.024 403	-0.125 0.012 402	-0.078 0.118 403	-0.076 0.129 403	-0.065 0.195 403
P7C19 p-rating #2: child difficulty	0.021 0.672 403	0.077 0.122 403	0.043 0.394 403	0.020 0.691 403	0.051 0.309 403	-0.060 0.227 403	-0.042 0.403 403	0.068 0.175 402	0.164 0.001 403	0.030 0.544 403	0.126 0.011 403
P7C20 p-rating #3: parent-child relationship	-0.042 0.398 403	-0.031 0.534 403	0.020 0.682 403	-0.079 0.112 403	-0.017 0.731 403	0.066 0.184 403	-0.065 0.195 403	-0.063 0.210 402	-0.109 0.029 403	-0.014 0.782 403	-0.112 0.025 403
P7C21 p-rating #4: satisfaction child behav	-0.007 0.896 403	-0.068 0.173 403	-0.053 0.287 403	-0.089 0.073 403	-0.029 0.563 403	0.070 0.163 403	-0.021 0.679 403	-0.105 0.036 402	-0.193 0.000 403	-0.131 0.009 403	-0.222 0.000 403
P7C22 i-rating #1: parent description of TC	0.016 0.753 403	-0.111 0.026 403	-0.066 0.187 403	-0.024 0.627 403	-0.001 0.977 403	0.079 0.114 403	-0.042 0.406 403	-0.038 0.446 402	-0.058 0.243 403	-0.054 0.281 403	-0.108 0.030 403
P7C23 i-rating #2: parent insight about TC	-0.008 0.877 403	-0.017 0.741 403	-0.044 0.375 403	-0.020 0.694 403	-0.002 0.962 403	0.032 0.519 403	0.006 0.899 403	0.051 0.308 402	-0.001 0.981 403	-0.011 0.821 403	-0.031 0.534 403
P7C24 i-rating #3: parent affect	0.015 0.757 403	-0.068 0.172 403	-0.017 0.735 403	-0.023 0.640 403	0.007 0.896 403	0.035 0.482 403	-0.062 0.215 403	-0.081 0.104 402	-0.123 0.014 403	-0.055 0.270 403	-0.102 0.041 403
P7C25 i-rating #4: parent-child relationship	0.023 0.652 402	-0.056 0.265 402	-0.008 0.878 402	-0.034 0.494 402	-0.049 0.330 402	-0.013 0.791 402	-0.054 0.284 402	-0.094 0.061 401	-0.077 0.124 402	-0.069 0.170 402	-0.070 0.161 402
P7C74 TC receive Tx for emot. diff.	0.029 0.557 403	0.189 0.000 403	0.048 0.341 403	0.062 0.217 403	0.036 0.469 403	0.014 0.779 403	-0.003 0.955 403	0.120 0.016 402	0.124 0.013 403	0.143 0.004 403	0.134 0.007 403
P7C75 Type of Tx facility-TC	-0.155 0.213 66	-0.057 0.649 66	0.135 0.280 66	0.022 0.863 66	0.013 0.920 66	0.016 0.901 66	0.078 0.536 66	-0.043 0.731 66	0.153 0.220 66	-0.021 0.868 66	0.029 0.818 66
P7C76 TC receive Rx for behav./attn. prob.	0.092 0.065 398	0.232 0.000 398	0.024 0.630 398	0.003 0.945 398	-0.051 0.312 398	-0.034 0.503 398	-0.004 0.932 398	0.085 0.092 397	0.113 0.025 398	-0.018 0.719 398	0.062 0.220 398
P7C77 Respondent receive Tx	0.053 0.293 400	0.111 0.026 400	0.201 0.000 400	0.059 0.235 400	0.047 0.350 400	0.216 0.000 400	0.077 0.124 400	0.210 0.000 399	0.172 0.001 400	0.161 0.001 400	0.198 0.000 400
P7C78 Type of Tx facility-Respondent	0.060 0.671 53	0.140 0.319 53	-0.092 0.513 53	-0.005 0.972 53	-0.086 0.539 53	0.020 0.888 53	0.208 0.136 53	-0.005 0.971 53	-0.085 0.546 53	-0.076 0.590 53	-0.084 0.551 53
P7C79 Others in family receive Tx	-0.007 0.891 403	0.103 0.039 403	0.113 0.023 403	0.067 0.178 403	0.050 0.314 403	0.109 0.029 403	0.129 0.010 403	0.096 0.054 402	0.182 0.000 403	0.147 0.003 403	0.230 0.000 403
P7C80 Which other family-Tx	0.349 0.013 50	-0.074 0.611 50	-0.015 0.919 50	-0.321 0.023 50	-0.134 0.355 50	0.000 1.000 50	0.129 0.373 50	-0.140 0.337 49	-0.030 0.837 50	0.055 0.703 50	0.320 0.023 50

Scale Correlations

Pearson Correlation Coefficients, N = 403 Prob > |r| under H0: Rho=0			
	LCH7qob	**LCH7qpr**	**LCH7str**
LCH7qob Y7 LC Quality Parent-Child Relat_Observer	1.000	0.482 0.000	-0.114 0.022
LCH7qpr Y7 LC Quality Parent-Child Relat_Parent	0.482 0.000	1.000	-0.223 0.000
LCH7str Y7 LC Stress Scale sum score	-0.114 0.022	-0.223 0.000	1.000

Appendix – SAS Scoring Program
(See Instrument Summary)