

Neighborhood Questionnaire

Grade 2 /Year 3

Fast Track Project Technical Report

Anne Corrigan

November 13, 2002

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 SD's
- VII. Item and Scale Correlations

Citation

Instrument

Conduct Problems Prevention Research Group (CPPRG). (1991). Neighborhood Questionnaire. Available: <http://www.fasttrackproject.org>

Report

Corrigan, A. (2002). *Neighborhood Questionnaire, Grade 2 /Year 3* (Fast Track Project Technical Report). Available from the Fast Track Project Web site, <http://www.fasttrackproject.org>

Greenberg, M. & Lengua, L. (1995). *Scale Construction for the Neighborhood Questionnaire* (Fast Track Project Technical Report). Seattle, WA: University of Washington.

Data Sources

Unscored: P3G

Scored: NHQ3

I. Scale Description

The Neighborhood Questionnaire is a 16-item measure that assesses a parent's satisfaction with the family's neighborhood.

The questionnaire explores sociability in the neighborhood, the neighborhood's stability, the quality of public services (police, schools, transportation, garbage collection), neighborhood safety, the incidence of violent crime, drug traffic in the neighborhood, the parent's involvement with neighbors, and the parent's participation in neighborhood organizations.

Responses include three-point, four-point, five-point, six-point, and dichotomous scales. One item has nine response choices. Items ask about satisfaction level, quality, duration, quantity, level of involvement, and frequency. Three items are yes/no questions.

II. Report Sample

This report contains data collected on Cohort 1, Year 3. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total n = 463, including overlap. Thirty-seven of the 463 are missing responses for the entire Neighborhood Questionnaire, including 31 from the normative group (5 from Durham, 9 from Washington, 7

from Pennsylvania, and 10 from Nashville), and 14 from the control group (4 from Durham, 2 from Nashville, 3 from Pennsylvania, and 5 from Washington).

III. Scaling

The Neighborhood Questionnaire has three subscales: the Neighborhood Safety Subscale (items 1, 6, 10, 11, and 12), the Neighborhood Social Involvement Subscale (items 3, 4, 5, and 13), and the Public Services Subscale (items 8 and 9). A previous analysis determined that items 2, 7, and 15 should not be included on any subscale, and that items 14 and 16, which are dichotomous, should also be excluded from the subscales.

The ordering of responses in items 10 and 11 was reversed before scoring. Raw scores for items 1 to 13 were converted to a ten-point scale. All subscales were scored by taking the mean of non-missing item responses and multiplying by the number of items on the scale. Subscales with more than 50 percent of their responses missing were not scored. Using a ten-point response scale, Neighborhood Safety has a possible maximum score of 50 points, Neighborhood Social Involvement has a maximum of 40, and Public Services has a maximum of 20.

The alpha coefficients for the normative sample and control sample are:

	Normative Sample	Control Sample
Neighborhood Safety	0.80	0.80
Neighborhood Social Involvement	0.71	0.72
Public Services	0.33	0.44

The following table shows the frequency of responses to Item 14 (Does your neighborhood have clubs/groups?) and Item 15 (How many groups do you belong to?). Item 14 was recoded such that Yes equals 1 and No equals 0, while item 15 was recoded such that, among parents in neighborhoods without clubs/organizations, item 15 is coded as 0 rather than missing.

p3gnq14r(Recoded-Any groups in neighborhood)	p3gnq15r(Recoded-Involved in how many groups)							Total
	0	1	2	3	4	5	9	
0	281 68.04 99.65 82.16	a) 1 0.24 0.35 2.04	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	282 68.28
1	61 14.77 46.56 17.84	48 11.62 36.64 97.96	14 3.39 10.69 100.00	5 1.21 3.82 100.00	1 0.24 0.76 100.00	1 0.24 0.76 100.00	1 0.24 0.76 100.00	131 31.72
Total	342 82.81	49 11.86	14 3.39	5 1.21	1 0.24	1 0.24	1 0.24	413 100.00
Frequency Missing = 13								

a) One respondent answered “no” for item 14, but “1” for item 15. This response is probably a coding error.

The next table shows the frequency of responses to Item 16 (Do you hold an office or post in any neighborhood group?) and Item 15 (How many groups do you belong to?). Among parents in neighborhoods without clubs/organizations, the items were recoded as 0 rather than missing.

Table of p3gnq16r by p3gnq15r								
p3gnq16r(Recoded-Hold an official position in groups)	p3gnq15r(Recoded-Involved in how many groups)							Total
	0	1	2	3	4	5	9	
Frequency Percent Row Pct Col Pct								
0	348 82.66 85.50 99.43	44 10.45 10.81 89.80	9 2.14 2.21 64.29	3 0.71 0.74 60.00	1 0.24 0.25 100.00	1 0.24 0.25 100.00	1 0.24 0.25 100.00	407 96.67
1	a) 2 0.48 14.29 0.57	5 1.19 35.71 10.20	5 1.19 35.71 35.71	2 0.48 14.29 40.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	14 3.33
Total	350 83.14	49 11.64	14 3.33	5 1.19	1 0.24	1 0.24	1 0.24	421 100.00
Frequency Missing = 5								

a) Two respondents answered “yes” for item 16, but “0” for item 15. These responses are probably coding errors.

IV. Differences Between Groups

T-tests of means for the normative sample and the high-risk control sample yielded the following results:

	Normative Sample		Control Sample		DF	t Value	Pr > t
	Mean	SD	Mean	SD			
Neighborhood Safety Subscale	35.48	11.16	32.80	12.02	422	-2.27	0.0235
Neighborhood Social Involvement Subscale	17.69	9.54	14.94	9.30	423	-2.81	0.0051
Public Services Subscale	15.26	4.48	14.99	4.55	423	-0.58	0.5610
Length of time in neighborhood	6.01	3.59	5.65	3.82	423	-0.95	0.3426
Garbage collection satisfaction	7.94	2.52	7.64	3.05	420	-1.07	0.2838

V. Recommendations for Use

T-tests of means for three subscales and two independent items (2 and 7) show a significant difference between the normative and the high-risk control groups for the Neighborhood Safety and the Neighborhood Social Involvement subscales. For the control group (but not for the normative group), the Public Services Subscale is slightly negatively skewed. Analysts should also be aware that items on the Neighborhood Questionnaire contain several different response scales and response metrics.

VI. Item and Scale Means and SDs

Item Means and Standard Deviations – Neighborhood Questionnaire

Descriptive Statistics - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
p3gnq1r	Rescaled-How feel about neighborhood	141	6.64	3.12	0.00	10.00
p3gnq2r	Rescaled-Length of stay for most residents	141	5.65	3.82	0.00	10.00
p3gnq3r	Rescaled-Amount of neighborly talking or visiting	139	4.24	3.29	0.00	10.00
p3gnq4r	Rescaled-How many neighbors do you know well	141	4.23	2.73	0.00	10.00
p3gnq5r	Rescaled-How often do you get together	139	3.15	3.34	0.00	10.00
p3gnq6r	Rescaled-Local police protection	141	6.71	3.06	0.00	10.00
p3gnq7r	Rescaled-Local garbage collection	141	7.64	3.05	0.00	10.00
p3gnq8r	Rescaled-Local schools	139	7.75	2.82	0.00	10.00
p3gnq9r	Rescaled-Public transportation	136	7.23	2.91	0.00	10.00
p3gnq10r	Rescaled-Frequency of mugging/burglary	139	6.24	3.05	0.00	10.00
p3gnq11r	Rescaled-Local selling/using of drugs	141	6.19	4.04	0.00	10.00
p3gnq12r	Rescaled-Police and neighborhood relationship	140	7.00	2.69	0.00	10.00
p3gnq13r	Rescaled-Involvement in neighborhood	140	3.26	3.21	0.00	10.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
p3gnq1r	Rescaled-How feel about neighborhood	356	7.07	2.97	0.00	10.00
p3gnq2r	Rescaled-Length of stay for most residents	356	5.95	3.64	0.00	10.00
p3gnq3r	Rescaled-Amount of neighborly talking or visiting	354	4.83	3.45	0.00	10.00
p3gnq4r	Rescaled-How many neighbors do you know well	356	4.69	3.00	0.00	10.00
p3gnq5r	Rescaled-How often do you get together	353	3.68	3.37	0.00	10.00
p3gnq6r	Rescaled-Local police protection	354	7.02	2.93	0.00	10.00
p3gnq7r	Rescaled-Local garbage collection	353	7.80	2.71	0.00	10.00
p3gnq8r	Rescaled-Local schools	350	7.96	2.68	0.00	10.00
p3gnq9r	Rescaled-Public transportation	334	7.11	3.06	0.00	10.00
p3gnq10r	Rescaled-Frequency of mugging/burglary	352	6.30	2.95	0.00	10.00
p3gnq11r	Rescaled-Local selling/using of drugs	356	6.68	3.87	0.00	10.00
p3gnq12r	Rescaled-Police and neighborhood relationship	350	7.50	2.64	0.00	10.00
p3gnq13r	Rescaled-Involvement in neighborhood	355	3.76	3.22	0.00	10.00

Subscale Means and Standard Deviations – Neighborhood Questionnaire

Descriptive Statistics - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NHQ3saf	Y3 NQ Neighborhood Safety Subscale	141	32.79	12.02	0.00	50.00
NHQ3soc	Y3 NQ Neighborhood Social Involvement Subscale	141	14.95	9.30	0.00	36.67
NHQ3pub	Y3 NQ Public Service Subscale	141	14.99	4.55	0.00	20.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NHQ3saf	Y3 NQ Neighborhood Safety Subscale	355	34.57	11.53	0.00	50.00
NHQ3soc	Y3 NQ Neighborhood Social Involvement Subscale	356	16.95	9.55	0.00	40.00
NHQ3pub	Y3 NQ Public Service Subscale	356	15.11	4.57	0.00	20.00

VII. Item and Scale Correlations

**All Subscales
Combined Normative and Control Samples**

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations					
	NHQ3saf	NHQ3soc	NHQ3pub	p3gnq2r	p3gnq7r
NHQ3saf Y3 NQ Neighborhood Safety Subscale	1.000 424	0.119 0.014 424	0.123 0.012 424	0.131 0.007 424	0.311 0.000 421
NHQ3soc Y3 NQ Neighborhood Social Involvement Subscale	0.119 0.014 424	1.000 425	0.051 0.295 425	0.307 0.000 425	0.046 0.343 422
NHQ3pub Y3 NQ Public Service Subscale	0.123 0.012 424	0.051 0.295 425	1.000 425	0.004 0.935 425	0.185 0.000 422
p3gnq2r Rescaled-Length of stay for most residents	0.131 0.007 424	0.307 0.000 425	0.004 0.935 425	1.000 425	0.010 0.837 422
p3gnq7r Rescaled-Local garbage collection	0.311 0.000 421	0.046 0.343 422	0.185 0.000 422	0.010 0.837 422	1.000 422

Item Correlations
Combined Normative and Control Samples

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations							
	p3gnq1r	p3gnq2r	p3gnq3r	p3gnq4r	p3gnq5r	p3gnq6r	p3gnq7r
p3gnq1r Rescaled-How feel about neighborhood	1.000 425	0.201 0.000 425	-0.049 0.310 423	0.282 0.000 425	0.080 0.100 422	0.382 0.000 423	0.227 0.000 422
p3gnq2r Rescaled-Length of stay for most residents	0.201 0.000 425	1.000 425	0.171 0.000 423	0.316 0.000 425	0.193 0.000 422	0.048 0.320 423	0.010 0.837 422
p3gnq3r Rescaled-Amount of neighborly talking or visiting	-0.049 0.310 423	0.171 0.000 423	1.000 423	0.351 0.000 423	0.297 0.000 422	-0.028 0.561 421	-0.041 0.397 420
p3gnq4r Rescaled-How many neighbors do you know well	0.282 0.000 425	0.316 0.000 425	0.351 0.000 423	1.000 425	0.432 0.000 422	0.177 0.000 423	0.154 0.001 422
p3gnq5r Rescaled-How often do you get together	0.080 0.100 422	0.193 0.000 422	0.297 0.000 422	0.432 0.000 422	1.000 422	-0.004 0.935 420	-0.041 0.408 419
p3gnq6r Rescaled-Local police protection	0.382 0.000 423	0.048 0.320 423	-0.028 0.561 421	0.177 0.000 423	-0.004 0.935 420	1.000 423	0.328 0.000 421
p3gnq7r Rescaled-Local garbage collection	0.227 0.000 422	0.010 0.837 422	-0.041 0.397 420	0.154 0.001 422	-0.041 0.408 419	0.328 0.000 421	1.000 422
p3gnq8r Rescaled-Local schools	0.171 0.000 419	0.036 0.461 419	0.046 0.345 417	0.063 0.196 419	0.032 0.520 416	0.239 0.000 418	0.105 0.032 416
p3gnq9r Rescaled-Public transportation	-0.041 0.409 399	-0.021 0.679 399	0.001 0.986 397	-0.051 0.307 399	0.009 0.851 396	0.055 0.277 398	0.171 0.001 399
p3gnq10r Rescaled-Frequency of mugging/burglary	0.522 0.000 421	0.038 0.438 421	-0.082 0.093 421	0.064 0.191 421	-0.050 0.304 420	0.298 0.000 420	0.198 0.000 418
p3gnq11r Rescaled-Local selling/using of drugs	0.587 0.000 425	0.087 0.075 425	-0.155 0.001 423	0.116 0.017 425	-0.015 0.762 422	0.347 0.000 423	0.161 0.001 422
p3gnq12r Rescaled-Police and neighborhood relationship	0.487 0.000 418	0.102 0.037 418	-0.030 0.536 416	0.225 0.000 418	0.050 0.312 415	0.409 0.000 418	0.299 0.000 416
p3gnq13r Rescaled-Involvement in neighborhood	0.285 0.000 423	0.238 0.000 423	0.317 0.000 421	0.562 0.000 423	0.366 0.000 420	0.189 0.000 422	0.090 0.065 420

Item Correlations (continued)
Combined Normative and Control Samples

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations						
	p3gnq8r	p3gnq9r	p3gnq10r	p3gnq11r	p3gnq12r	p3gnq13r
p3gnq1r Rescaled-How feel about neighborhood	0.171 0.000 419	-0.041 0.409 399	0.522 0.000 421	0.587 0.000 425	0.487 0.000 418	0.285 0.000 423
p3gnq2r Rescaled-Length of stay for most residents	0.036 0.461 419	-0.021 0.679 399	0.038 0.438 421	0.087 0.075 425	0.102 0.037 418	0.238 0.000 423
p3gnq3r Rescaled-Amount of neighborly talking or visiting	0.046 0.345 417	0.001 0.986 397	-0.082 0.093 421	-0.155 0.001 423	-0.030 0.536 416	0.317 0.000 421
p3gnq4r Rescaled-How many neighbors do you know well	0.063 0.196 419	-0.051 0.307 399	0.064 0.191 421	0.116 0.017 425	0.225 0.000 418	0.562 0.000 423
p3gnq5r Rescaled-How often do you get together	0.032 0.520 416	0.009 0.851 396	-0.050 0.304 420	-0.015 0.762 422	0.050 0.312 415	0.366 0.000 420
p3gnq6r Rescaled-Local police protection	0.239 0.000 418	0.055 0.277 398	0.298 0.000 420	0.347 0.000 423	0.409 0.000 418	0.189 0.000 422
p3gnq7r Rescaled-Local garbage collection	0.105 0.032 416	0.171 0.001 399	0.198 0.000 418	0.161 0.001 422	0.299 0.000 416	0.090 0.065 420
p3gnq8r Rescaled-Local schools	1.000 419	0.198 0.000 393	0.079 0.107 417	0.186 0.000 419	0.084 0.087 413	0.086 0.079 418
p3gnq9r Rescaled-Public transportation	0.198 0.000 393	1.000 399	-0.051 0.313 395	-0.016 0.755 399	0.020 0.689 393	0.037 0.461 397
p3gnq10r Rescaled-Frequency of mugging/burglary	0.079 0.107 417	-0.051 0.313 395	1.000 421	0.632 0.000 421	0.370 0.000 415	0.051 0.295 420
p3gnq11r Rescaled-Local selling/using of drugs	0.186 0.000 419	-0.016 0.755 399	0.632 0.000 421	1.000 425	0.464 0.000 418	0.112 0.021 423
p3gnq12r Rescaled-Police and neighborhood relationship	0.084 0.087 413	0.020 0.689 393	0.370 0.000 415	0.464 0.000 418	1.000 418	0.294 0.000 417
p3gnq13r Rescaled-Involvement in neighborhood	0.086 0.079 418	0.037 0.461 397	0.051 0.295 420	0.112 0.021 423	0.294 0.000 417	1.000 423