

## **Neighborhood Questionnaire**

*Grade 1 /Year 2*

### **Fast Track Project Technical Report**

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#### **Citation**

##### *Instrument*

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

##### *Report*

Corrigan, A. (2002). *Neighborhood Questionnaire, Grade 1 /Year 2* (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:* P2G

*Scored:* NHQ2

#### **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 2. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total n = 463, including overlap.

Thirty-one of the 463 are missing responses for the entire Neighborhood Questionnaire, including 24 from the normative group (3 from Durham, 12 from Washington, 3 from Pennsylvania, and 6 from Nashville), and eight from the control group (4 from Durham and 4 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
<b>Neighborhood Safety</b>	0.76	0.74
<b>Neighborhood Social Involvement</b>	0.71	0.60
<b>Public Services</b>	0.39	0.42

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.

p2gnq14r(Recoded-Any groups in neighborhood)	p2gnq15r(Recoded-Involved in how many groups)					Total
	0	1	2	3	9	
<b>0</b>	295 69.41 99.66 82.40	a) 1 0.24 0.34 2.17	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	296 69.65
<b>1</b>	63 14.82 48.84 17.60	45 10.59 34.88 97.83	16 3.76 12.40 100.00	4 0.94 3.10 100.00	1 0.24 0.78 100.00	129 30.35
<b>Total</b>	358 84.24	46 10.82	16 3.76	4 0.94	1 0.24	425 100.00
<b>Frequency Missing = 7</b>						

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 p2gnq16r by p2gnq15r						
p2gnq16r(Recoded-Hold an official position in groups)	p2gnq15r(Recoded-Involved in how many groups)					Total
Frequency Percent Row Pct Col Pct	0	1	2	3	9	
<b>0</b>	363 84.42 87.47 99.73	39 9.07 9.40 86.67	13 3.02 3.13 81.25	0 0.00 0.00 0.00	0 0.00 0.00 0.00	415 96.51
<b>1</b>	a) 1 0.23 6.67 0.27	6 1.40 40.00 13.33	3 0.70 20.00 18.75	4 0.93 26.67 100.00	1 0.23 6.67 100.00	15 3.49
<b>Total</b>	364 84.65	45 10.47	16 3.72	4 0.93	1 0.23	430 100.00
<b>Frequency Missing = 2</b>						

a) One 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			
<b>Neighborhood Safety Subscale</b>	34.9	10.67	33.16	10.62	430	-1.61	0.1073
<b>Neighborhood Social Involvement Subscale</b>	18.14	10.03	16.85	8.87	430	-1.31	0.1896
<b>Public Services Subscale</b>	15.28	4.31	14.64	4.88	428	-1.37	0.1709
<b>Length of time in neighborhood</b>	5.64	3.72	5.80	3.74	430	0.44	0.6580
<b>Garbage collection satisfaction</b>	7.56	3.07	7.57	2.96	428	0.04	0.9694

#### V. Recommendations for Use

T-tests of means for three subscales and two independent items (2 and 7) do not show a significant difference between the normative and the high-risk control groups. Analysts should also be aware that items on the Neighborhood Questionnaire contain several different response scales and response metrics. Additionally, item and subscale intercorrelations are modest.

**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
p2gnq1r	Rescaled-How feel about neighborhood	147	6.60	2.72	0.00	10.00
p2gnq2r	Rescaled-Length of stay for most residents	147	5.80	3.74	0.00	10.00
p2gnq3r	Rescaled-Amount of neighborly talking or visiting	147	4.66	3.29	0.00	10.00
p2gnq4r	Rescaled-How many neighbors do you know well	147	4.54	3.14	0.00	10.00
p2gnq5r	Rescaled-How often do you get together	147	3.76	3.55	0.00	10.00
p2gnq6r	Rescaled-Local police protection	147	6.92	2.87	0.00	10.00
p2gnq7r	Rescaled-Local garbage collection	147	7.57	2.96	0.00	10.00
p2gnq8r	Rescaled-Local schools	141	7.57	2.92	0.00	10.00
p2gnq9r	Rescaled-Public transportation	134	7.21	2.95	0.00	10.00
p2gnq10r	Rescaled-Frequency of mugging/burglary	146	6.03	2.84	0.00	10.00
p2gnq11r	Rescaled-Local selling/using of drugs	147	6.58	3.94	0.00	10.00
p2gnq12r	Rescaled-Police and neighborhood relationship	145	7.03	2.64	0.00	10.00
p2gnq13r	Rescaled-Involvement in neighborhood	147	3.90	3.13	0.00	10.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
p2gnq1r	Rescaled-How feel about neighborhood	362	7.16	2.74	0.00	10.00
p2gnq2r	Rescaled-Length of stay for most residents	363	5.66	3.74	0.00	10.00
p2gnq3r	Rescaled-Amount of neighborly talking or visiting	362	4.82	3.40	0.00	10.00
p2gnq4r	Rescaled-How many neighbors do you know well	363	5.05	3.30	0.00	10.00
p2gnq5r	Rescaled-How often do you get together	363	4.12	3.51	0.00	10.00
p2gnq6r	Rescaled-Local police protection	363	6.90	2.81	0.00	10.00
p2gnq7r	Rescaled-Local garbage collection	361	7.48	3.10	0.00	10.00
p2gnq8r	Rescaled-Local schools	356	7.81	2.73	0.00	10.00
p2gnq9r	Rescaled-Public transportation	326	7.24	2.81	0.00	10.00
p2gnq10r	Rescaled-Frequency of mugging/burglary	362	6.27	2.92	0.00	10.00
p2gnq11r	Rescaled-Local selling/using of drugs	363	6.38	3.91	0.00	10.00
p2gnq12r	Rescaled-Police and neighborhood relationship	358	7.49	2.43	0.00	10.00
p2gnq13r	Rescaled-Involvement in neighborhood	363	3.89	3.19	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
NHQ2saf	Y2 NQ Neighborhood Safety Subscale	147	33.15	10.62	5.83	50.00
NHQ2soc	Y2 NQ Neighborhood Social Involvement Subscale	147	16.85	8.87	0.00	40.00
NHQ2pub	Y2 NQ Public Service Subscale	145	14.64	4.88	0.00	20.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NHQ2saf	Y2 NQ Neighborhood Safety Subscale	363	34.19	10.68	0.00	50.00
NHQ2soc	Y2 NQ Neighborhood Social Involvement Subscale	363	17.88	9.79	0.00	40.00
NHQ2pub	Y2 NQ Public Service Subscale	361	15.05	4.53	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					
	NHQ2saf	NHQ2soc	NHQ2pub	p2gnq2r	p2gnq7r
<b>NHQ2saf</b> Y2 NQ Neighborhood Safety Subscale	1.000 432	0.108 0.024 432	0.204 0.000 430	0.211 0.000 432	0.399 0.000 430
<b>NHQ2soc</b> Y2 NQ Neighborhood Social Involvement Subscale	0.108 0.024 432	1.000 432	-0.002 0.960 430	0.278 0.000 432	0.005 0.916 430
<b>NHQ2pub</b> Y2 NQ Public Service Subscale	0.204 0.000 430	-0.002 0.960 430	1.000 430	-0.018 0.709 430	0.214 0.000 428
<b>p2gnq2r</b> Rescaled-Length of stay for most residents	0.211 0.000 432	0.278 0.000 432	-0.018 0.709 430	1.000 432	0.095 0.050 430
<b>p2gnq7r</b> Rescaled-Local garbage collection	0.399 0.000 430	0.005 0.916 430	0.214 0.000 428	0.095 0.050 430	1.000 430

**Item Correlations**  
**Combined Normative and Control Samples**

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations							
	p2gnq1r	p2gnq2r	p2gnq3r	p2gnq4r	p2gnq5r	p2gnq6r	p2gnq7r
<b>p2gnq1r</b> Rescaled-How feel about neighborhood	1.000 431	0.220 0.000 431	0.039 0.414 430	0.293 0.000 431	0.135 0.005 431	0.311 0.000 431	0.317 0.000 429
<b>p2gnq2r</b> Rescaled-Length of stay for most residents	0.220 0.000 431	1.000 432	0.120 0.013 431	0.312 0.000 432	0.143 0.003 432	0.064 0.186 432	0.095 0.050 430
<b>p2gnq3r</b> Rescaled-Amount of neighborly talking or visiting	0.039 0.414 430	0.120 0.013 431	1.000 431	0.285 0.000 431	0.289 0.000 431	-0.035 0.464 431	-0.050 0.298 429
<b>p2gnq4r</b> Rescaled-How many neighbors do you know well	0.293 0.000 431	0.312 0.000 432	0.285 0.000 431	1.000 432	0.465 0.000 432	0.020 0.682 432	0.124 0.010 430
<b>p2gnq5r</b> Rescaled-How often do you get together	0.135 0.005 431	0.143 0.003 432	0.289 0.000 431	0.465 0.000 432	1.000 432	0.003 0.947 432	-0.063 0.194 430
<b>p2gnq6r</b> Rescaled-Local police protection	0.311 0.000 431	0.064 0.186 432	-0.035 0.464 431	0.020 0.682 432	0.003 0.947 432	1.000 432	0.396 0.000 430
<b>p2gnq7r</b> Rescaled-Local garbage collection	0.317 0.000 429	0.095 0.050 430	-0.050 0.298 429	0.124 0.010 430	-0.063 0.194 430	0.396 0.000 430	1.000 430
<b>p2gnq8r</b> Rescaled-Local schools	0.186 0.000 423	0.005 0.920 424	-0.018 0.718 423	0.094 0.053 424	0.030 0.539 424	0.232 0.000 424	0.144 0.003 422
<b>p2gnq9r</b> Rescaled-Public transportation	0.012 0.807 392	-0.041 0.419 392	0.030 0.551 391	-0.066 0.194 392	-0.075 0.139 392	0.244 0.000 392	0.217 0.000 392
<b>p2gnq10r</b> Rescaled-Frequency of mugging/burglary	0.498 0.000 430	0.161 0.001 431	-0.033 0.500 430	0.110 0.022 431	0.023 0.634 431	0.300 0.000 431	0.224 0.000 429
<b>p2gnq11r</b> Rescaled-Local selling/using of drugs	0.426 0.000 431	0.150 0.002 432	-0.088 0.068 431	0.130 0.007 432	-0.046 0.343 432	0.235 0.000 432	0.231 0.000 430
<b>p2gnq12r</b> Rescaled-Police and neighborhood relationship	0.443 0.000 426	0.165 0.001 426	-0.021 0.666 425	0.196 0.000 426	0.015 0.755 426	0.432 0.000 426	0.298 0.000 424
<b>p2gnq13r</b> Rescaled-Involvement in neighborhood	0.198 0.000 431	0.236 0.000 432	0.302 0.000 431	0.494 0.000 432	0.360 0.000 432	0.064 0.183 432	0.009 0.847 430

**Item Correlations (continued)**  
**Combined Normative and Control Samples**

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations						
	p2gnq8r	p2gnq9r	p2gnq10r	p2gnq11r	p2gnq12r	p2gnq13r
<b>p2gnq1r</b> Rescaled-How feel about neighborhood	0.186 0.000 423	0.012 0.807 392	0.498 0.000 430	0.426 0.000 431	0.443 0.000 426	0.198 0.000 431
<b>p2gnq2r</b> Rescaled-Length of stay for most residents	0.005 0.920 424	-0.041 0.419 392	0.161 0.001 431	0.150 0.002 432	0.165 0.001 426	0.236 0.000 432
<b>p2gnq3r</b> Rescaled-Amount of neighborly talking or visiting	-0.018 0.718 423	0.030 0.551 391	-0.033 0.500 430	-0.088 0.068 431	-0.021 0.666 425	0.302 0.000 431
<b>p2gnq4r</b> Rescaled-How many neighbors do you know well	0.094 0.053 424	-0.066 0.194 392	0.110 0.022 431	0.130 0.007 432	0.196 0.000 426	0.494 0.000 432
<b>p2gnq5r</b> Rescaled-How often do you get together	0.030 0.539 424	-0.075 0.139 392	0.023 0.634 431	-0.046 0.343 432	0.015 0.755 426	0.360 0.000 432
<b>p2gnq6r</b> Rescaled-Local police protection	0.232 0.000 424	0.244 0.000 392	0.300 0.000 431	0.235 0.000 432	0.432 0.000 426	0.064 0.183 432
<b>p2gnq7r</b> Rescaled-Local garbage collection	0.144 0.003 422	0.217 0.000 392	0.224 0.000 429	0.231 0.000 430	0.298 0.000 424	0.009 0.847 430
<b>p2gnq8r</b> Rescaled-Local schools	1.000 424	0.243 0.000 386	0.209 0.000 423	0.132 0.006 424	0.131 0.008 418	0.043 0.373 424
<b>p2gnq9r</b> Rescaled-Public transportation	0.243 0.000 386	1.000 392	-0.025 0.626 391	-0.007 0.883 392	0.127 0.012 390	0.012 0.808 392
<b>p2gnq10r</b> Rescaled-Frequency of mugging/burglary	0.209 0.000 423	-0.025 0.626 391	1.000 431	0.544 0.000 431	0.351 0.000 425	0.003 0.950 431
<b>p2gnq11r</b> Rescaled-Local selling/using of drugs	0.132 0.006 424	-0.007 0.883 392	0.544 0.000 431	1.000 432	0.398 0.000 426	0.047 0.327 432
<b>p2gnq12r</b> Rescaled-Police and neighborhood relationship	0.131 0.008 418	0.127 0.012 390	0.351 0.000 425	0.398 0.000 426	1.000 426	0.191 0.000 426
<b>p2gnq13r</b> Rescaled-Involvement in neighborhood	0.043 0.373 424	0.012 0.808 392	0.003 0.950 431	0.047 0.327 432	0.191 0.000 426	1.000 432