<u>**Neighborhood Questionnaire**</u>
Grade 8 /Year 9

Fast Track Project Technical Report
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<u>Citation</u>

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

Report
        Corrigan, A. (2002). *Neighborhood Questionnaire, Grade 8 /Year 9* (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.

<u>Data Sources</u>

Unscored: P9P

Scored: NHQ9

I.   <u>Scale Description</u>

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. On the Year 8 scale, these questions have the response codes: yes = 1 and no = 0. (The opposite yes/no codes are used in previous years' Neighborhood Questionnaires.)

II.   <u>Report Sample</u>

This report contains data collected on Cohort 1, Year 9. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total n = 463, including overlap. Ninety-five of the 463 are missing responses for the entire Neighborhood Questionnaire, including 82 from the normative group (15 from Durham, 20 from Washington, 17 from Pennsylvania, and 30 from Nashville), and 29 from the control group (5 from Durham, 9 from Nashville, 7 from Pennsylvania, and 8 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	0.75	0.78
Neighborhood Social Involvement	0.71	0.66
Public Services	0.33	0.36

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.

Table of p9pnq14r by p9pnq15r									
p9pnq14r(Recoded-Any groups in neighborhood)	**p9pnq15r(Recoded-Involved in how many groups)**								
Frequency **Percent** **Row Pct** **Col Pct**	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**9**	**Total**
0	238 66.11 100.00 78.81	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	0 0.00 0.00 0.00	0 0.00 0.00 0.00	238 66.11
1	64 17.78 52.46 21.19	41 11.39 33.61 100.00	9 2.50 7.38 100.00	3 0.83 2.46 100.00	2 0.56 1.64 100.00	1 0.28 0.82 100.00	1 0.28 0.82 100.00	1 0.28 0.82 100.00	122 33.89
Total	302 83.89	41 11.39	9 2.50	3 0.83	2 0.56	1 0.28	1 0.28	1 0.28	360 100.00
Frequency Missing = 8									

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 p9pnq16r by p9pnq15r									
p9pnq16r(Recoded-Hold an official position in groups)	**p9pnq15r(Recoded-Involved in how many groups)**								
Frequency **Percent** **Row Pct** **Col Pct**	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**9**	**Total**
0	310 84.24 87.57 100.00	36 9.78 10.17 87.80	5 1.36 1.41 55.56	2 0.54 0.56 66.67	1 0.27 0.28 50.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	354 96.20
1	0 0.00 0.00 0.00	5 1.36 35.71 12.20	4 1.09 28.57 44.44	1 0.27 7.14 33.33	1 0.27 7.14 50.00	1 0.27 7.14 100.00	1 0.27 7.14 100.00	1 0.27 7.14 100.00	14 3.80
Total	310 84.24	41 11.14	9 2.45	3 0.82	2 0.54	1 0.27	1 0.27	1 0.27	368 100.00

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	35.39	10.05	35.18	10.48	363	-0.19	0.8512
Neighborhood Social Involvement Subscale	16.99	9.64	14.98	9.21	366	-1.93	0.0545
Public Services Subscale	14.50	4.64	13.76	5.20	364	-1.38	0.1688
Length of time in neighborhood	6.67	3.36	6.28	3.38	351	-1.03	0.3049
Garbage collection satisfaction	8.34	2.62	8.58	2.13	363	0.86	0.3890

V. Recommendations for Use

Analysts should be aware that items on the Neighborhood Questionnaire contain several different response scales and response metrics, and that correlations among the subscales are low (e.g., for the Neighborhood Safety subscale and Neighborhood Social Involvement subscale, $r = 0.06878$ with $p = .20$). The Public Services subscale shows low alpha values for both the normative group ($\alpha = .33$) and the control group ($\alpha = .36$). These low values suggest that the Public Services subscale does not effectively measure the intended construct.

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**
p9pnq1r	Rescaled-How feel about neighborhood	126	7.62	2.49	0.00	10.00
p9pnq2r	Rescaled-Length of stay for most residents	120	6.28	3.38	0.00	10.00
p9pnq3r	Rescaled-Amount of neighborly talking or visiting	126	4.40	3.50	0.00	10.00
p9pnq4r	Rescaled-How many neighbors do you know well	126	4.21	3.10	0.00	10.00
p9pnq5r	Rescaled-How often do you get together	126	2.63	3.19	0.00	10.00
p9pnq6r	Rescaled-Local police protection	126	7.33	2.86	0.00	10.00
p9pnq7r	Rescaled-Local garbage collection	124	8.58	2.13	0.00	10.00
p9pnq8r	Rescaled-Local schools	123	6.88	3.19	0.00	10.00
p9pnq9r	Rescaled-Public transportation	119	6.97	3.22	0.00	10.00
p9pnq10r	Rescaled-Frequency of mugging/burglary	125	6.44	2.84	0.00	10.00
p9pnq11r	Rescaled-Local selling/using of drugs	121	6.25	3.46	0.00	10.00
p9pnq12r	Rescaled-Police and neighborhood relationship	120	7.47	2.66	0.00	10.00
p9pnq13r	Rescaled-Involvement in neighborhood	126	3.73	3.34	0.00	10.00

Descriptive Statistics - Normative Sample						
Variable	**Label**	**N**	**Mean**	**Std Dev**	**Minimum**	**Maximum**
p9pnq1r	Rescaled-How feel about neighborhood	304	7.76	2.59	0.00	10.00
p9pnq2r	Rescaled-Length of stay for most residents	292	6.54	3.39	0.00	10.00
p9pnq3r	Rescaled-Amount of neighborly talking or visiting	303	4.93	3.43	0.00	10.00
p9pnq4r	Rescaled-How many neighbors do you know well	305	4.92	3.28	0.00	10.00
p9pnq5r	Rescaled-How often do you get together	305	3.06	3.25	0.00	10.00
p9pnq6r	Rescaled-Local police protection	302	7.27	2.80	0.00	10.00
p9pnq7r	Rescaled-Local garbage collection	303	8.45	2.45	0.00	10.00
p9pnq8r	Rescaled-Local schools	293	7.34	2.77	0.00	10.00
p9pnq9r	Rescaled-Public transportation	289	7.05	3.25	0.00	10.00
p9pnq10r	Rescaled-Frequency of mugging/burglary	300	6.54	2.56	0.00	10.00
p9pnq11r	Rescaled-Local selling/using of drugs	293	5.97	3.67	0.00	10.00
p9pnq12r	Rescaled-Police and neighborhood relationship	292	7.76	2.55	0.00	10.00
p9pnq13r	Rescaled-Involvement in neighborhood	304	3.83	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**
NHQ9saf	Y9 NQ Neighborhood Safety Subscale	126	35.18	10.48	3.33	50.00
NHQ9soc	Y9 NQ Neighborhood Social Involvement Subscale	126	14.98	9.21	0.00	38.00
NHQ9pub	Y9 NQ Public Service Subscale	125	13.76	5.20	0.00	20.00

Descriptive Statistics - Normative Sample						
Variable	**Label**	**N**	**Mean**	**Std Dev**	**Minimum**	**Maximum**
NHQ9saf	Y9 NQ Neighborhood Safety Subscale	302	35.33	10.10	3.33	50.00
NHQ9soc	Y9 NQ Neighborhood Social Involvement Subscale	305	16.71	9.67	0.00	40.00
NHQ9pub	Y9 NQ Public Service Subscale	303	14.33	4.79	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					
	NHQ9saf	NHQ9soc	NHQ9pub	p9pnq2r	p9pnq7r
NHQ9saf **Y9 NQ Neighborhood Safety Subscale**	1.000 365	0.050 0.336 365	0.176 0.001 363	0.058 0.281 351	0.352 0.000 362
NHQ9soc **Y9 NQ Neighborhood Social Involvement Subscale**	0.050 0.336 365	1.000 368	0.091 0.081 366	0.248 0.000 353	0.070 0.184 365
NHQ9pub **Y9 NQ Public Service Subscale**	0.176 0.001 363	0.091 0.081 366	1.000 366	0.123 0.021 352	0.182 0.000 363
p9pnq2r **Rescaled-Length of stay for most residents**	0.058 0.281 351	0.248 0.000 353	0.123 0.021 352	1.000 353	0.078 0.143 350
p9pnq7r **Rescaled-Local garbage collection**	0.352 0.000 362	0.070 0.184 365	0.182 0.000 363	0.078 0.143 350	1.000 365

Item Correlations
Combined Normative and Control Samples

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	p9pnq1r	**p9pnq2r**	**p9pnq3r**	**p9pnq4r**	**p9pnq5r**	**p9pnq6r**	**p9pnq7r**
p9pnq1r **Rescaled-How feel about neighborhood**	1.000 367	0.177 0.001 353	0.002 0.964 365	0.243 0.000 367	0.049 0.344 367	0.323 0.000 365	0.316 0.000 364
p9pnq2r **Rescaled-Length of stay for most residents**	0.177 0.001 353	1.000 353	0.103 0.055 351	0.300 0.000 353	0.117 0.028 353	0.002 0.972 351	0.078 0.143 350
p9pnq3r **Rescaled-Amount of neighborly talking or visiting**	0.002 0.964 365	0.103 0.055 351	1.000 366	0.376 0.000 366	0.272 0.000 366	-0.019 0.719 364	0.002 0.965 363
p9pnq4r **Rescaled-How many neighbors do you know well**	0.243 0.000 367	0.300 0.000 353	0.376 0.000 366	1.000 368	0.371 0.000 368	0.032 0.545 365	0.096 0.067 365
p9pnq5r **Rescaled-How often do you get together**	0.049 0.344 367	0.117 0.028 353	0.272 0.000 366	0.371 0.000 368	1.000 368	0.048 0.356 365	0.015 0.776 365
p9pnq6r **Rescaled-Local police protection**	0.323 0.000 365	0.002 0.972 351	-0.019 0.719 364	0.032 0.545 365	0.048 0.356 365	1.000 365	0.324 0.000 362
p9pnq7r **Rescaled-Local garbage collection**	0.316 0.000 364	0.078 0.143 350	0.002 0.965 363	0.096 0.067 365	0.015 0.776 365	0.324 0.000 362	1.000 365
p9pnq8r **Rescaled-Local schools**	0.155 0.003 355	0.022 0.680 345	0.102 0.056 354	0.057 0.280 355	0.001 0.984 355	0.214 0.000 353	0.195 0.000 352
p9pnq9r **Rescaled-Public transportation**	0.007 0.889 350	0.170 0.002 337	0.067 0.209 349	0.041 0.444 351	-0.023 0.669 351	0.104 0.054 348	0.128 0.017 349
p9pnq10r **Rescaled-Frequency of mugging/burglary**	0.483 0.000 361	-0.009 0.860 348	0.031 0.554 361	0.075 0.153 362	-0.033 0.533 362	0.274 0.000 359	0.209 0.000 359
p9pnq11r **Rescaled-Local selling/using of drugs**	0.403 0.000 354	-0.052 0.338 342	-0.015 0.779 353	-0.015 0.781 354	-0.142 0.008 354	0.342 0.000 353	0.237 0.000 351
p9pnq12r **Rescaled-Police and neighborhood relationship**	0.422 0.000 353	0.148 0.006 340	-0.064 0.233 352	0.111 0.037 353	0.016 0.769 353	0.463 0.000 351	0.200 0.000 350
p9pnq13r **Rescaled-Involvement in neighborhood**	0.114 0.030 367	0.199 0.000 353	0.367 0.000 365	0.486 0.000 367	0.362 0.000 367	0.114 0.029 365	0.093 0.076 364

Item Correlations (continued)
Combined Normative and Control Samples

	p9pnq8r	p9pnq9r	p9pnq10r	p9pnq11r	p9pnq12r	p9pnq13r
Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations						
p9pnq1r Rescaled-How feel about neighborhood	0.155 0.003 355	0.007 0.889 350	0.483 0.000 361	0.403 0.000 354	0.422 0.000 353	0.114 0.030 367
p9pnq2r Rescaled-Length of stay for most residents	0.022 0.680 345	0.170 0.002 337	-0.009 0.860 348	-0.052 0.338 342	0.148 0.006 340	0.199 0.000 353
p9pnq3r Rescaled-Amount of neighborly talking or visiting	0.102 0.056 354	0.067 0.209 349	0.031 0.554 361	-0.015 0.779 353	-0.064 0.233 352	0.367 0.000 365
p9pnq4r Rescaled-How many neighbors do you know well	0.057 0.280 355	0.041 0.444 351	0.075 0.153 362	-0.015 0.781 354	0.111 0.037 353	0.486 0.000 367
p9pnq5r Rescaled-How often do you get together	0.001 0.984 355	-0.023 0.669 351	-0.033 0.533 362	-0.142 0.008 354	0.016 0.769 353	0.362 0.000 367
p9pnq6r Rescaled-Local police protection	0.214 0.000 353	0.104 0.054 348	0.274 0.000 359	0.342 0.000 353	0.463 0.000 351	0.114 0.029 365
p9pnq7r Rescaled-Local garbage collection	0.195 0.000 352	0.128 0.017 349	0.209 0.000 359	0.237 0.000 351	0.200 0.000 350	0.093 0.076 364
p9pnq8r Rescaled-Local schools	1.000 355	0.208 0.000 340	0.127 0.018 351	0.084 0.120 345	0.195 0.000 343	0.094 0.079 355
p9pnq9r Rescaled-Public transportation	0.208 0.000 340	1.000 351	0.030 0.581 345	0.027 0.616 340	0.102 0.060 339	0.051 0.343 350
p9pnq10r Rescaled-Frequency of mugging/burglary	0.127 0.018 351	0.030 0.581 345	1.000 362	0.492 0.000 352	0.362 0.000 349	0.054 0.309 361
p9pnq11r Rescaled-Local selling/using of drugs	0.084 0.120 345	0.027 0.616 340	0.492 0.000 352	1.000 354	0.358 0.000 344	-0.023 0.663 354
p9pnq12r Rescaled-Police and neighborhood relationship	0.195 0.000 343	0.102 0.060 339	0.362 0.000 349	0.358 0.000 344	1.000 353	0.114 0.032 353
p9pnq13r Rescaled-Involvement in neighborhood	0.094 0.079 355	0.051 0.343 350	0.054 0.309 361	-0.023 0.663 354	0.114 0.032 353	1.000 367