

Annex A

Results of the statistical tests carried out on the Family Monitoring Data

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Family Monitoring Data

The family monitoring data was collected by Ecorys as part of the national evaluation of the programme (see Ecorys interim report on Family Monitoring Data for more detail and additional results).

1. It should be noted that the results presented are based on data in its very early stages of collection, of varying quality and, at this stage, we are unsure whether the data submitted is representative of all troubled families going through the programme, e.g. it may be more likely to include those families on which local authorities readily hold information, such as those being worked with more intensively. It is anticipated that future data returns will be of improved quality.

This annex includes the results of Pearson's Chi-squared tests carried out on some of the key indicators from the first batch of data provided by local authorities. Chi-squared tests are carried out on categorical data and identify differences between the sets of data. If the differences observed are unlikely to be due to chance, the results are reported as statistically significant.

The tables below detail the results of the Chi-squared tests carried out on the weighted data¹, and only include the figures included in the report written by the Troubled Families Team – Understanding Troubled Families.

Table 1: Size of the family

	Families with 3+ children	Families with 1 or 2 children	χ^2 value	Degrees of freedom	Statistical significance
Child protection concerns (child in need)	46%	54%	17.5	1	P<0.001
Domestic violence (either clinical or key-worker assessed)	32%	27%	36.9	1	P<0.001
Adult with recent proven offence	17%	13%	12.8	1	P<0.001

¹ A weighting variable was applied to the data so that local authorities that had over or under sampled families for this data collection were correctly represented in the results.

Table 2: Children under the age of 5

	Child under 5 years in household	No child under 5 in household	χ^2 value	Degrees of freedom	Statistical significance
Child protection concerns	20%	27%	25.8	1	P<0.001
Adult with recent proven offence	18%	14%	10.8	1	P=0.001
Domestic violence	37%	27%	8.4	1	P<0.005

Table 3: Adults with proven offences in the last 6 months

	Adult in household with proven offence	No adult in house with proven offence	χ^2 value	Degrees of freedom	Statistical significance
Having a child in care	8%	5%	8.2	1	P<0.005
Having a child with special educational needs	39%	34%	4.9	1	P<0.05
Having NEETs in household	36%	22%	42.7	1	P<0.001
Youth offender	37%	31%	10.8	1	P=0.001

Table 4: Adults subject to an anti-social behaviour intervention in the last 6 months

	Adult in household subject to anti-social behaviour measures	No adult in household subject to anti-social behaviour measures	χ^2 value	Degrees of freedom	Statistical significance
Young person involved in anti-social behaviour	45%	20%	115.4	1	P<0.001

Table 5: Households with young people with a proven offence in the last 6 months

	Households with one or more young people with a proven offence	Households without a young person with a proven offence	χ^2 value	Degrees of freedom	Statistical significance
Child with school behavioural problems	53%	41%	49.4	1	P<0.001

Table 6: Police call outs in the last 6 months

	Police call outs in last 6 months	No police call outs in last 6 months	χ^2 value	Degrees of freedom	Statistical significance
Truanting child	67%	58%	25.4	1	P<0.001
Child with school behavioural problems	62%	46%	68.4	1	P<0.001
Child at a pupil referral unit or alternative provision	36%	27%	26.8	1	P<0.001
Domestic violence	43%	22%	126.4	1	P<0.001

Table 7: Adults dependent on non-prescription drugs

	Adult with a drug misuse problem	No adult with a drug misuse problem	χ^2 value	Degrees of freedom	Statistical significance
Child with substance misuse problem	23%	13%	29.5	1	P<0.001

Table 8: Adults dependent on alcohol

	Adults with an alcohol misuse problem	No adults with an alcohol misuse problem	χ^2 value	Degrees of freedom	Statistical significance
Child with substance misuse problem	21%	13%	16.0	1	P<0.001

Table 9: Families experiencing domestic violence or abuse

	Families experiencing domestic violence/abuse	Families not experiencing domestic violence/abuse	χ^2 value	Degrees of freedom	Statistical significance
Truanting child	63%	56%	14.6	1	P<0.001
Youth offender	39%	32%	15.4	1	P<0.001
Adult with mental health problems (either clinical or key-worker assessed)	60%	40%	114.7	1	P<0.001
Child with mental health problems (either clinical or key-worker assessed)	41%	28%	47.1	1	P<0.001

