

Kirklees Young People's Survey 2019: Technical report

Introduction and background

This report outlines the methodology used for the Kirklees Young People's Survey (KYPS) in 2019, conducted by the Public Health Intelligence team at Kirklees Council. The survey follows on from a previous survey in 2018 also carried out by the Public Health Intelligence team at Kirklees Council, and earlier surveys carried out in 2001, 2005, 2007, 2009 and 2014.

KYPS helps to inform commissioning and service provision and increase our understanding of the behaviour and views of young people. Findings are used to update the Kirklees Joint Strategic Assessment (KJSA) and monitor the achievement of the Kirklees outcomes and the Children and Young People's Plan outcomes. As well as providing a snapshot of the current situation, responses to some questions can be compared with those from previous surveys.

The main objectives of the survey were:

- To increase our understanding of the behaviour and views of young people to help inform service provision and identify effective interventions.
- To compare the views of young people with population groups of other ages, identify trends over time (comparisons with previous surveys where possible) and explore demographic and geographic differences in the behaviour and views of young people.
- To update the data we have about young people as part of the ongoing refresh of the KJSA and other intelligence deficits that have been identified during the scoping period of the project.

Survey design and creation

As with the 2018 survey, KYPS 2019 was an online survey completed by pupils during lesson time at school.

A project board comprising key stakeholders from Kirklees Council, the CCGs, Locala and other external partners identified topics and generated a list of proposed survey questions. This list was refined following consultation with other stakeholders and feedback from two focus group sessions with Year 9 pupils held at King James's School and Thornhill Community Academy.

Final survey

The final online survey consisted of 42 questions, with question routing used to ensure respondents were only presented with questions relevant to them. All questions were of a tick-box format with no free text response options. Respondents were able to select a single or multiple response options according to the question, and were able to skip any questions they didn't want to answer.

A web link to the survey was provided to all schools signed up to take part, with the survey being accessible between 29th April and 19th July 2019. Schools were required to arrange for their pupils to have access to internet-connected computers during the school day in order to complete the survey.

The survey was also open to young people of Year 9 age resident in Kirklees but not currently within the school system.

Consent

At the beginning of the survey, pupils were asked whether they agreed to take part and to give their consent (by ticking a box in the online form) to their data being shared at an aggregated (non-identifiable) level. Those agreeing were then directed to the first survey question. Those not consenting were asked to raise their hand and inform the supervising adult that they would not be completing the survey.

Postcode

Pupils were asked to provide their home postcode in order to match to the part of Kirklees in which they live. They were informed that this information would not be used to identify individuals and their postcode would be deleted from the final dataset once the area lookups had been carried out. Half (50%) of pupils provided their home postcode.

Data cleaning and preparation

A single dataset was created. Records were deleted where pupils did not agree to take part in the survey, and where the time taken to complete the survey was judged to be unrealistically short (less than or equal to 5 minutes).

A lookup table was used to match postcode to Lower Super Output Area (LSOA), ward and Index of Multiple Deprivation (IMD) decile (2015 version). A distance-to-school calculation was also carried out based on home postcode and school location. Postcode was then removed from the final dataset. Columns for District Committee area (DC) and CCG were added based on home postcode (where provided) and based on school (the DC or CCG where the majority of that school's population is known to live). In addition, columns (labelled 'DC_Overall' and 'CCG_overall') were included, using the DC and CCG based on home postcode (where known) or based on school (where postcode was not known).

A Short Warwick-Edinburgh Mental Wellbeing Scale (SWEMWBS) score was calculated where all 7 questions comprising the scale were answered. This raw score was converted to a metric score using the conversion table on the Warwick Medical School web site (<https://warwick.ac.uk/fac/sci/med/research/platform/wemwbs/researchers/guidance>).

Weighting

The sample demographics were assessed to determine whether it would be necessary to weight the survey sample to better reflect the population. All respondents were in the same school year, so it was not necessary to weight for age. The ethnic profile of the sample was broadly representative of the ethnic distribution of the secondary school population in Kirklees (January 2019 school census: <https://www.gov.uk/government/statistics/schools-pupils-and-their-characteristics-january-2019>), so it was felt there was no need to weight for ethnicity.

Jan-19	White	Asian or Asian British	Black or Black British	Mixed / Dual Background	Other	Total
Survey 2019	61%	27%	3%	5%	3%	3043
Census 2019	63%	28%	2%	6%	1%	4921

The overall gender balance matched the school census:

- School census Jan 2019 male/female ratio: 51%/49%
- Survey male/female ratio: 51%/49%
(based solely on those answering 'boy' or 'girl' to the gender question)

However, the geographical distribution of pupils in the sample differed to the known Year 9 population distribution (at District Committee area level). As only 50% of pupils provided their home postcode, this comparison was carried out at school level by assigning the pupils in each school sample to the District Committee area in which the majority of pupils from that school are known to live. Batley & Spen and Dewsbury & Mirfield District Committee areas were found to be under-represented in the sample, and Huddersfield and Kirklees Rural were over-represented.

These geographical differences were more pronounced when gender was also taken into consideration, leading to the following **proposed** weighting scheme:

	Survey 2019			Census 2019			Survey weighting
	B%	G%	Overall	B%	G%	Overall	
Batley and Spen	10%	11%	20%	13%	13%	26%	1.29
Dewsbury and Mirfield	8%	9%	16%	11%	11%	21%	1.31
Huddersfield	16%	18%	33%	14%	14%	28%	0.85
Kirklees Rural	15%	15%	30%	13%	11%	24%	0.80

These weightings were applied to the dataset and tested at Kirklees level (District Committee and gender weighting) and at District Committee area level (gender weighting only). They were found to make a minimal difference to the results (a shift of one percentage point or lower for the majority of questions), therefore it was decided that it would **not be necessary** to re-weight the dataset. All results from the survey are reported using the original **unweighted** responses.

Presentation of data

Snap generated a CSV output file that was imported into Excel, where data cleaning and preparation was carried out (including the addition of a number of over-codes). This file was then imported into SPSS (v20) for further statistical analysis.

A copy of the Excel file was used to generate school level reports, removing those respondents where the school count was below 10. In total there were 22 schools eligible to receive school level reports, with sample sizes ranging from 19 to 325 pupils.

A set of cross-tabs by demographic group (including a test for statistical significance) was created in SPSS and collated in Excel.

A top-level Kirklees summary was created and shared publicly via:

www.kirklees.gov.uk/KYPS2019

Defined variables

Name	Description
DC_Postcode_NEW	District Committee based on postcode (where provided)
Distance_grouped	Q2ax. Distance to school (GROUPED) (0-1km, 1.01-2km, 2.01-3km, 3+km from school to home postcode)
DC_SCHOOL	District Committee based on school (most common DC for given school)
DC_OVERALL	District Committee based on postcode (where provided) or school (most common DC for given school, where postcode not provided)
CCG_Postcode_NEW	CCG Committee based on postcode (where provided)
CCG_overall_NEW	CCG based on postcode (where provided) or school (most common CCG for given school, where postcode not provided)
IMD_quintile	Q2ix. IMD quintile (grouped from deciles)
Overcode_General_Health_NEW	Q3x. In general would you say your health is..? Net good/Fair/Net bad
Overcode_breakfast_NEW	Q6x. How often do you eat breakfast? (Most/everyday, Sometimes, hardly ever/never)
SWEMWBS_recode	Q8x. SWEMWBS Low Medium High (Low=7-19.3,Med=20.0-27.0,High=28.1-35)
SWEMWBS_recode2	Q8y. SWEMWBS Low Medium High EVEN GROUPS (Low=7-15.84,Med=16.36-22.35,High=23.21-35)
Overcode_satisfied_NEW	Q9a. Overall, how satisfied are you with your life nowadays? (Low=0-4, Med=5-6, High=7-10)
Overcode_worthwhile_NEW	Q9b.To what extent do you feel the things you do in your life are worthwhile? (Low=0-4, Med=5-6, High=7-10)
Overcode_happy_NEW	Q9c. How happy did you feel yesterday? (Low=0-4, Med=5-6, High=7-10)
TRIEDCIG_yes_no	Q10i. Tried cigarette (without rather not say)
Smoking_full_response	Q10bi. Use of tobacco cigarettes including all responses
Overcode_current_smoker_NEW	Q10x. Current smoker (smoke every day/at least once a week/less than one cigarette a week)
Current_smoker	Q10xi. Current smoker including all responses except "Rather not say" (USE ME!)
TRIEDVAPING_yes_no	Q11i. Tried vaping (without rather not say)
Ecig_full_response	Q11bi. Use of e-cigs including all responses
Overcode_current_vaper_NEW	Q11x. Current vaper (use them every day/at least once a week/less than once a week)
Current_vaper	Q11xi. Current e-cig user including all responses except "Rather not say" (USE ME!)
TRIEDALCOHOL_yes_no	Q12i. Tried alcohol (without rather not say)
Alcohol_full_response	Q12bi. Alcohol frequency including all responses
Overcode_alcohol_monthly_or_more_NEW	Q12x. Monthly or more (drink)?

Frequent_drinker	Q12xi. Frequent drinker (monthly or more) including all responses except "Rather not say" (USE ME!)
HADSEX_yes_no	Q13i. Had sex (without rather not say)
Overcode_condoms_NEW	Q13bx. Overcode_condoms (Always/Usually, Sometimes, Never, Rather not say)
Overcode_worry_most_days_NEW	Answering 'Worry most days/every day' to at least one type of worry
Overcode_bullied_physically_and_other_NEW	Answering Yes to both physically bullied and bullied in other ways
Bullied_ANY	Q20y. Any bullying in the last six months (USE ME!)(Yes, No, Rather not say, Missing)
Bullied_BOTH	Q20z. Both types of bullying in the last six months (Yes, No, Rather not say, Missing)
School_bullying_SIMPLE	Q23i. How does school deal with bullying? (Well, Sometimes, Not Well)
Overcode_satisfied_area_NEW	Q31x. Net satisfied/Neither/Net dissatisfied with local area
Overcode_safe_NEW	Q32x. Net safe/Neither/Net unsafe in local area
Overcode_active_travel_NEW	Q39x. Active travel (walking/cycling)
Ethnicity_Broad	Q40x. Ethnicity (White British, Asian, Black, Mixed, White other, Other)
Ethnicity_Asian_Breakdown	Q40y. Ethnicity (White British, Pakistani, Indian, Other Asian, Black, Mixed, White other, Other)
Overcode_carer_overtwohours_per_day_NEW	Q43x. Caring for more than two hours per day (for any type of relative or other person)
LGBT_plus	LGBT+ (Heterosexual and binary, LGBT+)
Overcode_Gambling	Q45 Yes, No, Unknown (Blank/I'd rather not say)
Sexting	Q56 Yes, No, Unknown (Blank/I'd rather not say)
Overcode_PCNs_WARD_FINAL	PCN from ward based on postcode (if known) or locality (if given); 'Not known' if both not given, 'Not in Kirklees' if either shown as not in Kirklees. Overcoded in Excel, then pasted into SPSS

Technical report written by Kirklees Public Health Intelligence, last updated 25/10/19