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Merseyside Violence and Community Safety (MerVCom) Representative Household Survey

Wirral Local Authority Summary Report



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About this report

In 2023/24, the Merseyside Violence Reduction Partnership (MVRP) collaborated with the Public Health Institute at Liverpool John Moores University (LJMU) to implement the Merseyside Violence and Community Safety (MerVCom) Survey. The MerVCom survey is a population-level representative household survey of 5395 adults (aged 18+ years) which aimed to better understand community feelings of safety and cohesion, and perceptions and experiences of violence (including adverse childhood experiences [ACEs]) across Merseyside, and relationships of these with health and wellbeing. Findings from the survey covering the whole of Merseyside have been analysed and presented in an overarching report [1] and in more detailed reports covering key topic areas:

- Perceptions of community safety, violence and neighbourhood cohesion, and bystander attitudes [2].
- Violence victimisation in adulthood [3].
- Adverse childhood experiences [4].

This report presents high-level data covering these three topic areas from 1,236 survey respondents residing in the Wirral Local Authority area¹. By focusing on localised data, this report aims to provide insights into the specific challenges faced by local communities (as well as local assets), supporting partners in Wirral to implement targeted interventions that address the specific needs of their residents.

This report should be read alongside the overarching report that provides the full methodology for the survey [1], and each of the topic based reports which provide details on the measures and analyses used for each of the three topic areas [2, 3, 4].

Selected data are also available on the MVRP data hub, enabling partners to overlay data from the household survey with data from local partners such as health, police, and education².

¹ Similar reports are also available for the other local authority areas.

² For more information or access to the MVRP Violence Reduction data hub, visit <https://tiig.ljmu.ac.uk/>

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1. Perceptions of community safety, violence and neighbourhood cohesion, and bystander attitudes

1.1 Community safety



66.6% of participants residing in the Wirral felt safe in Merseyside generally during the **day**, compared to **44.5%** during the **night**

Figures for all Merseyside residents: 64.7% day / 42.9% night

Figure 1: Proportion of participants residing in Wirral feeling UNSAFE in public settings during the day and night

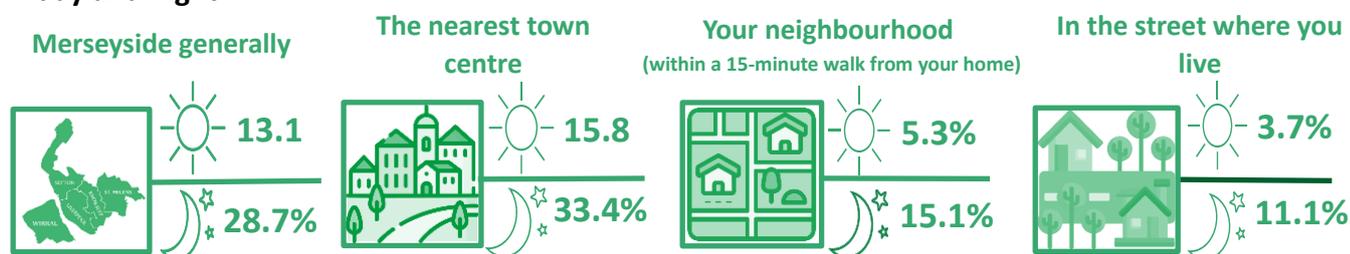


Figure 2: Proportion of participants residing in Wirral feeling UNSAFE in recreational and transport settings during the day and night

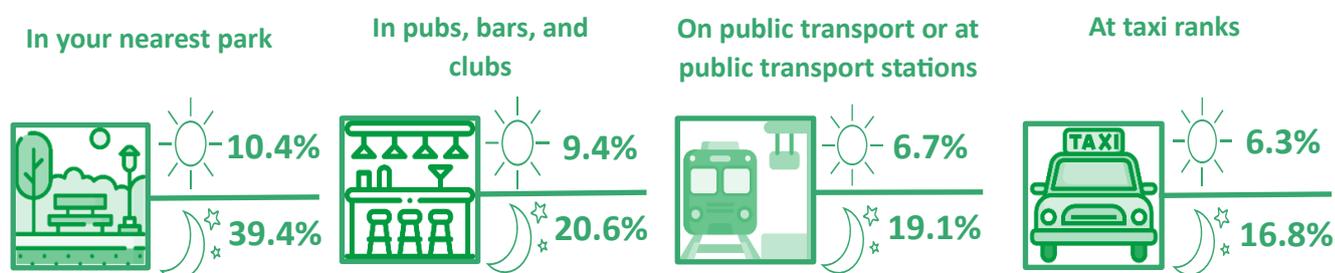
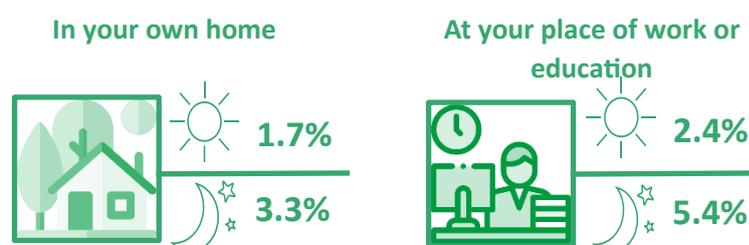


Figure 3: Proportion of participants residing in Wirral feeling UNSAFE in their own home and at their place of work or education during the day and night



There are significant differences in feelings of safety between sex, age group, ethnicity, and resident area of deprivation across different locations in the day and night.

See Appendix 1 for full data tables.

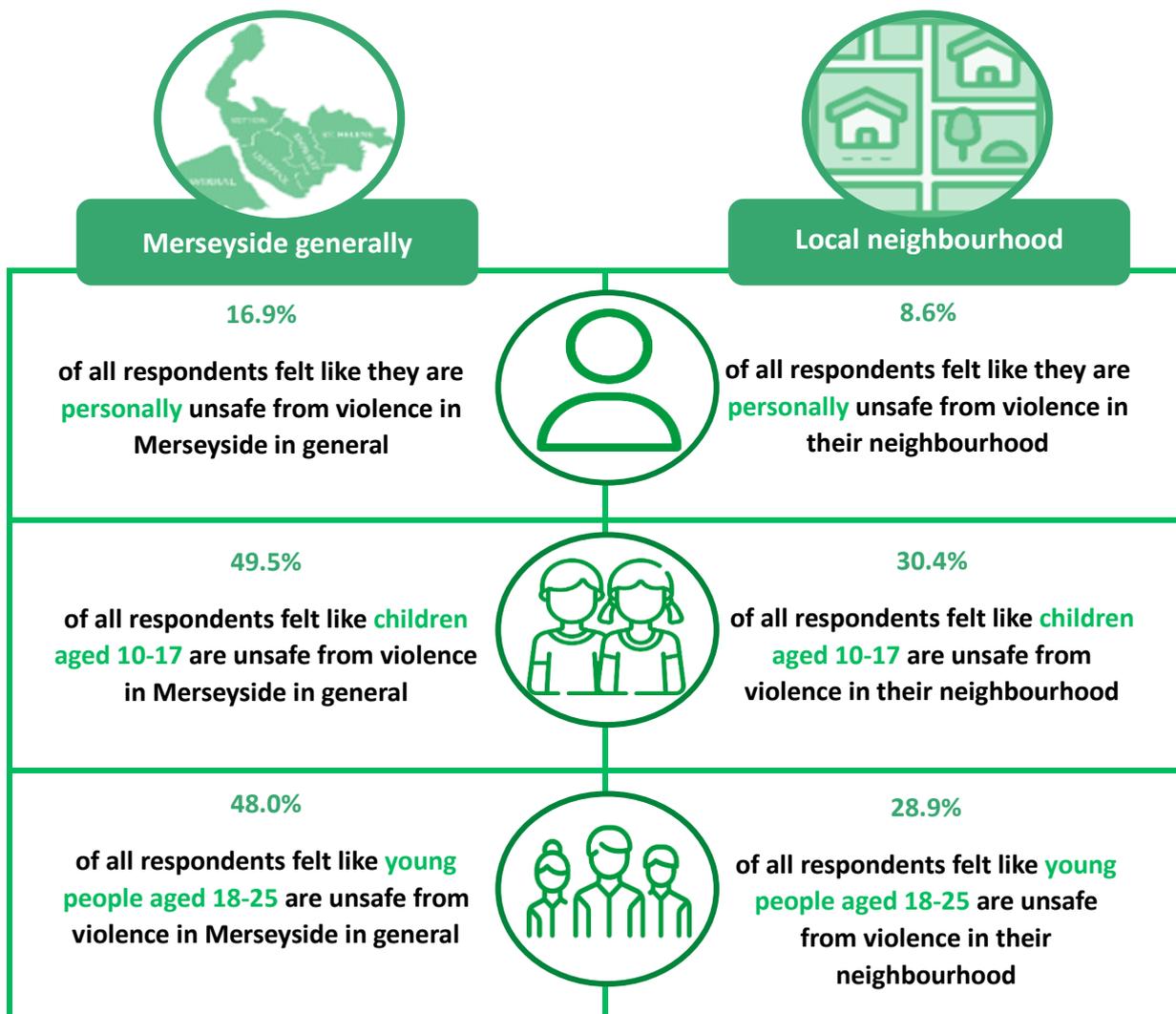
1.2 Violence



37.2% of participants residing in Wirral thought that violence is common in their neighbourhood, while **88.2%** thought that violence is common in Merseyside generally

Figures for all Merseyside residents: 34.8% neighbourhood / 86.3% Merseyside

Figure 4: The proportion of participants residing in Wirral reporting how UNSAFE they personally, young people aged 10-17, and young adults aged 18-35 are in Merseyside and in their neighbourhood



There are significant differences in perceptions of violence between sex, age group, and resident area of deprivation across the survey participants' neighbourhoods and Merseyside generally. See Appendix 1 for full data tables.

1.3 Neighbourhood cohesion

An 8-item Brief Sense of Community Scale [5] was used to assess neighbourhood cohesion (Figure 6). Different items on the scale were added together and averaged to create four subscale scores. Lower scores on each subscale indicated poorer feelings of neighbourhood cohesion. For each subscale, scores were classified as negative if they were more than one standard deviation below the average score for that subscale.

Figure 5: The distribution of Wirral residing respondents' neighbourhood cohesion scores

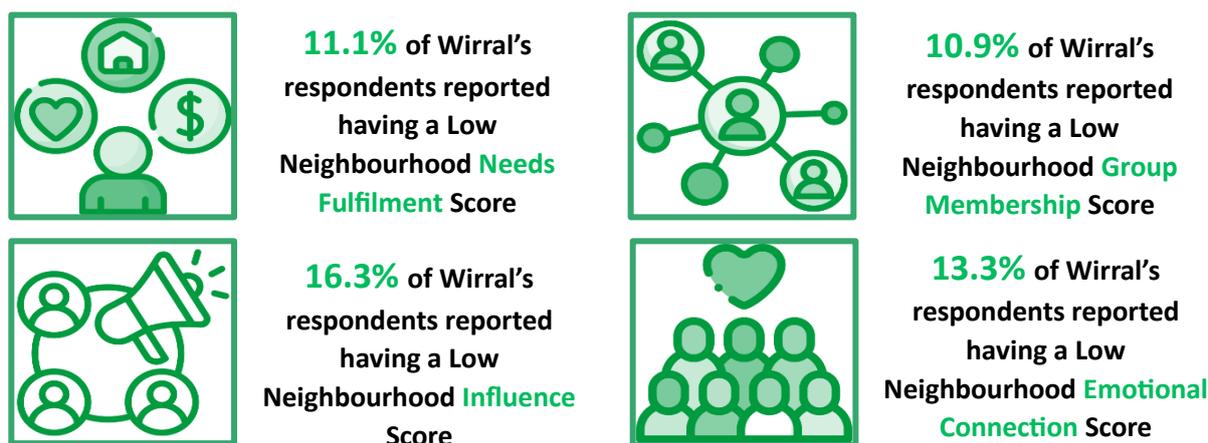
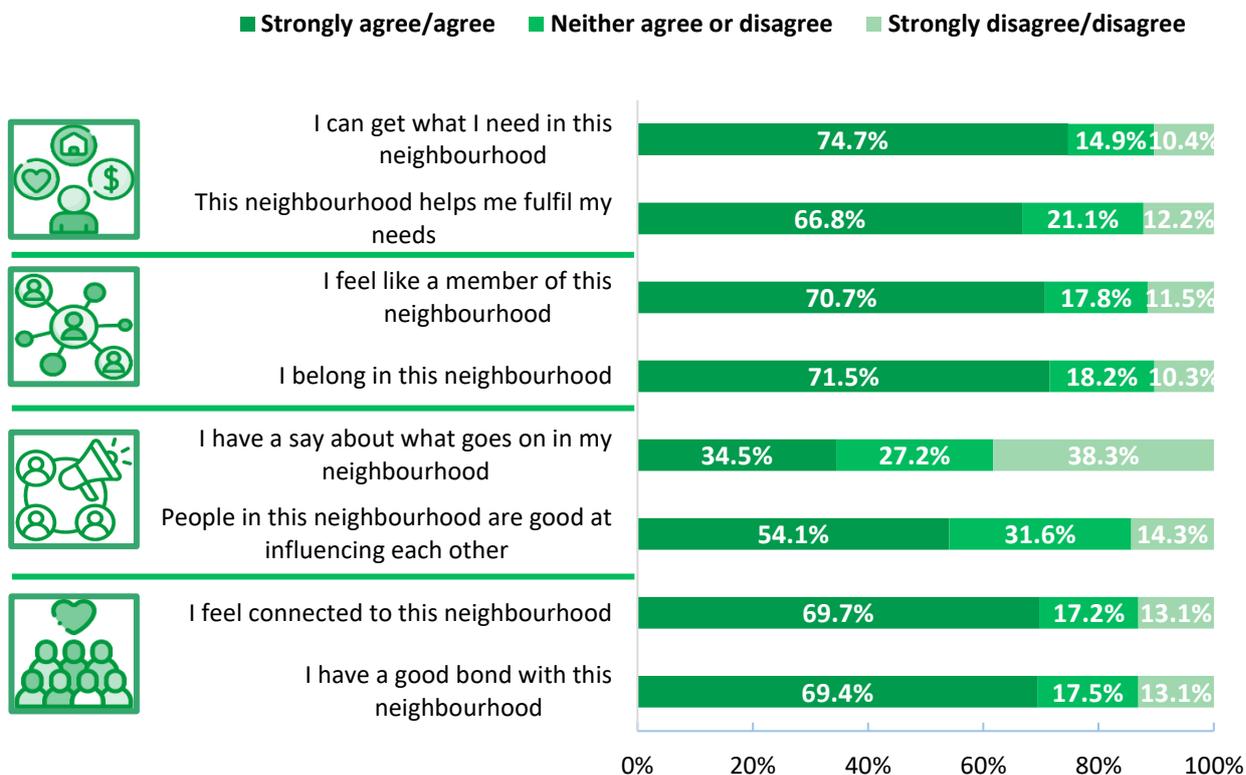


Figure 6: The distribution of Wirral residing respondents' levels of agreement across neighbourhood cohesion statements



Significant differences emerged in neighbourhood cohesion between resident area of deprivation. See Appendix 1 for full data tables.

1.4 Bystander attitudes

The Bystander Intervention Survey [6] was used to assess how participants feel about stepping in as bystanders in difficult situations. Scores for each of the three statements asked to participants (Figure 7) were added together, with the 'there is no need to get involved in a problematic situation' statement being scored in reverse. Scores of more than one standard deviation above the average were constituted as higher total scores, indicating a positive attitude towards being a helpful bystander.

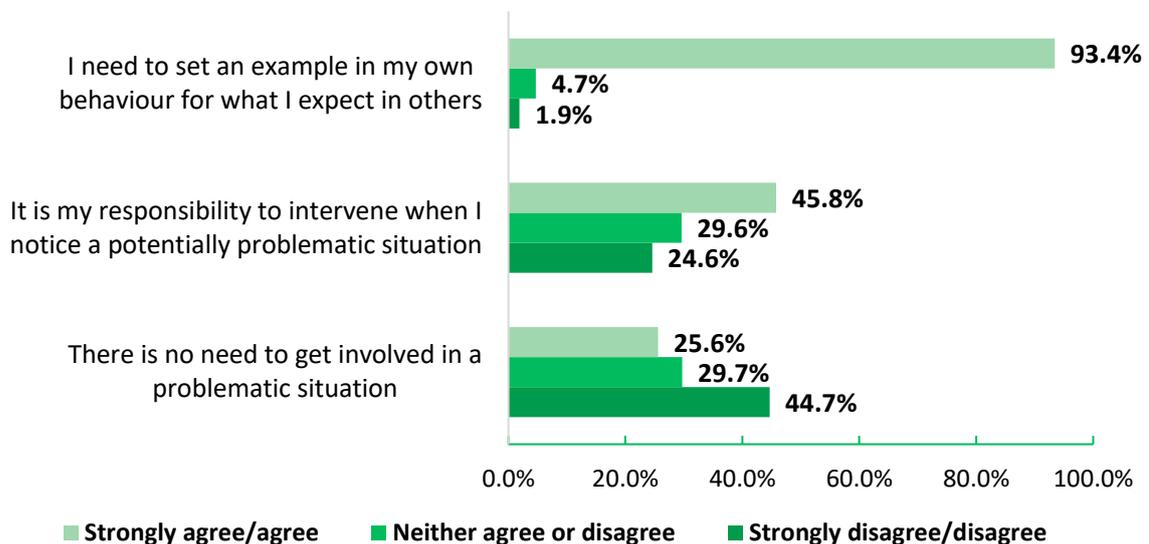


34.2% of participants residing in Wirral had a **positive bystander score**



93.4% of participants residing in Wirral agreed that they **need to set an example in their own behaviour for what they expect in others**

Figure 7: The distribution of Wirral residing respondents' levels of agreement across bystander attitudes statements



Significant differences emerged in high bystander scores between gender and age group. See Appendix 1 for full data tables.

2. Violence victimisation in adulthood

Extent and nature of adult violence victimisation in Wirral



Any adulthood violence

Since age 18 years **39.4%**
In the past 12 months **5.0%**



Any sexual assault

Since age 18 years **12.6%**



Any intimate partner violence

Since age 18 years **12.7%**



Any night-time economy violence

Since age 18 years **9.5%**



Physical violence

Since age 18 years 27.9%*	Male* 32.8%	Female* 23.5%
Relationship to the perpetrator ¹	Stranger	51.4%
Location of victimisation ¹	At home	37.5%
Reporting of victimisation ¹	68.4%	Of those reporting: 38.1% to family/friends 32.4% to police



Psychological abuse and coercive control

Since age 18 years 10.5%*	Male* 5.9%	Female* 14.7%
Relationship to the perpetrator ¹	Boy/girlfriend	26.0%
Location of victimisation ¹	At home	85.8%
Reporting of victimisation ¹	52.9%	Of those reporting: 33.1% to family/friends 18.9% to police



Stalking and harassment

Since age 18 years 12.6%*	Male* 7.1%	Female* 17.6%
Relationship to the perpetrator ¹	Stranger	43.7%
Location of victimisation ¹	Public space	51.0%
Reporting of victimisation ¹	75.8%	Of those reporting: 44.4% to family/friends 40.4% to police



Indecent exposure

Since age 18 years 6.5%*	Male* 1.6%	Female* 10.9%
Relationship to the perpetrator ¹	Stranger	91.1%
Location of victimisation ¹	Public space	67.1%
Reporting of victimisation ¹	67.9%	Of those reporting: 43.0% to family/friends 20.3% to police



Unwanted sexual touching

Since age 18 years 8.4%*	Male* 2.4%	Female* 13.9%
Relationship to the perpetrator ¹	Stranger	44.2%
Location of victimisation ¹	Night-time economy	30.8%
Reporting of victimisation ¹	57.4%	Of those reporting: 36.5% to family/friends 10.6% to police



Rape or assault by penetration

Since age 18 years 3.2%*	Male* 0.7%	Female* 5.6%
Relationship to the perpetrator ¹	Stranger	33.3%
Location of victimisation ¹	At home	46.2%
Reporting of victimisation ¹	45.9%	Of those reporting: 17.9% to family/friends+ someone else 15.4% to police

Increased risk of adulthood outcomes in those experiencing violence (since age 18 years) vs. not experiencing violence (Merseyside)

(adjusted for age, sex, ethnicity, and deprivation)

Health and health risk behaviours			Neighbourhood cohesion		
	Alcohol (current, 5+ drinks on one occasion at least weekly)	1.4x		Low levels of overall neighbourhood cohesion	1.2x
	Smoking and/or vaping (current daily)	1.5x	Adulthood relationships		
	Use of any drug (past 12 months)	3.3x		Does NOT feel close to adults that they live with	1.2x
	Gambling-related harm (of those who gambled in past 12 months)	2.5x		Does NOT feel close to relatives that they do not live with	1.3x
	Poor general health (current)	1.2x		Does NOT have close or good friends	1.4x
	Low mental wellbeing (current)	2.0x	Perceptions of personal safety and prevalence of violence		
Criminal justice exposure				Feel unsafe from violence in Merseyside generally	2.1x
	Been arrested (ever)	2.9x		Feel unsafe from violence in their neighbourhood	3.0x
	Been incarcerated (ever)	2.8x		Perceive violence is common in their neighbourhood	1.7x

Increased risk of violence in adulthood (since age 18 years) in those experiencing negative childhood experiences vs. not experiencing negative childhood experiences (Merseyside)

(adjusted for age, sex, ethnicity, and deprivation)

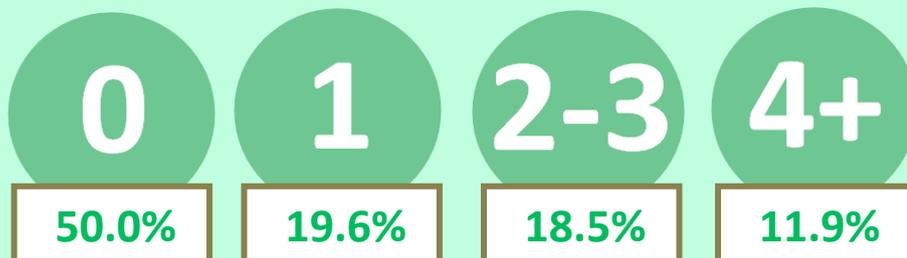
Adverse childhood experiences~			School exclusion		
	1 ACE	2.5x		Excluded from school (up to age 18 years)	2.8x
	2-3 ACEs	4.4x	Trusted adult support		
	4+ ACEs	9.7x		No trusted adult support (up to age 18 years)	2.1x

~Based on the 9 ACEs used in the national England ACE survey.

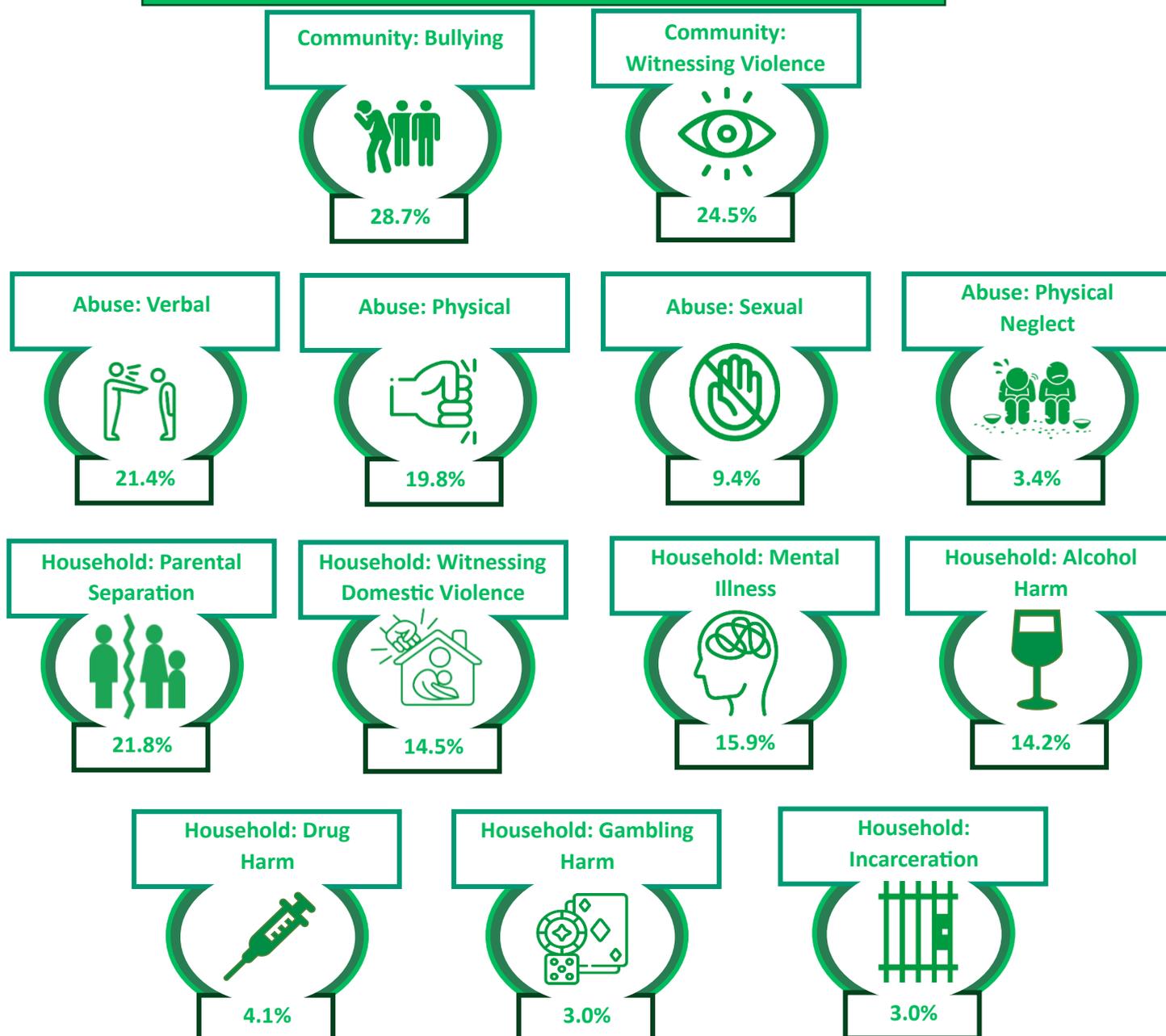
3. Adverse childhood experiences

Extent and nature

Adjusted ACE count for adults in Wirral*



Adjusted prevalence of thirteen individual ACEs of adults in Wirral



* Adjusted for age, sex, ethnicity, and deprivation. ^ Based on the 9 ACEs used in the national England ACE survey.

Increased risk in those experiencing 4+ ACEs^ vs. experiencing 0 ACEs (Merseyside)

(controlling for age, sex, ethnicity, and deprivation)

Health and health risk behaviours			Employment		
	Alcohol (current, 5+ drinks on one occasion at least weekly)	1.4x		Unemployed (current)	1.9 x
	Smoking and/or vaping (current daily)	2.0x	Adulthood relationships		
	Use of any drug (past 12 months)	8.4x		Does NOT feel close to adults that they live with	1.9x
	Gambling-related harm (of those who gambled in past 12 months)	4.0x		Does NOT feel close to relatives that they do not live with	2.5x
	Poor general health (current)	1.5x		Does NOT have close or good friends	1.9x
	Low mental wellbeing (current)	2.6x	Perceptions of personal safety		
Criminal justice exposure and violence victimisation				Feel unsafe from violence in Merseyside generally	2.4x
	Been arrested (ever)	5.2x		Feel unsafe from violence in their neighbourhood	2.9x
	Been incarcerated (ever)	6.2x	Neighbourhood cohesion		
	Violence victimisation (since age 18 years)	9.7x		Low levels of overall neighbourhood cohesion	1.8x
	Violence victimisation (past year)	6.8x		Low levels of neighbourhood influence	2.1x
Perceived prevalence of violence			Negative childhood experiences		
	Violence is common in their neighbourhood	1.8x		Excluded from school (up to age 18)	8.4 x
	Violence is common in Merseyside	1.3x		No trusted adult support (up to age 18 years)	9.6x
				NOT engaged in any extracurricular/ community activities (up to age 18 years)	1.2x
				NOT have a trusted friend (up to age 18 years)	3.9x

4. References

- [1] Quigg Z., Butler N., Wilson C., Farrugia A.M., Bates R., O'Driscoll G., Millings M. and Bellis M.A. (2025) *The Merseyside Violence and Community Safety (MerVCom) Survey. A representative household survey of adults to understand community safety and cohesion, violence victimisation, and adverse childhood experiences.* Liverpool: Liverpool John Moores University/Merseyside Violence Reduction Partnership.
- [2] Wilson C., Farrugia A.M., Millings M., Butler N., Bellis M.A. and Quigg Z. (2025) *Perceptions of Community Safety, Violence and Neighbourhood Cohesion, and Bystander Attitudes across Merseyside,* Liverpool John Moores University/Merseyside Violence Reduction Partnership, Liverpool.
- [3] Butler N., Wilson C., Farrugia A.M., Bellis M.A., O'Driscoll G. and Quigg Z. (2025) *Adulthood violence victimisation across Merseyside. Nature, prevalence, and associations with health and wellbeing, health risk behaviours, adverse childhood experiences, and community safety and cohesion.* Liverpool: Liverpool John Moores University/Merseyside Violence Reduction Partnership.
- [4] Quigg Z., Wilson C., Butler N., Farrugia A.M., Bellis M.A., O'Driscoll G. and Quigg Z. (2025) *Adverse Childhood Experiences (ACEs) across Merseyside. Nature, prevalence, and associations with health and wellbeing, health risk behaviours, violence, and community safety and cohesion.* Liverpool: Liverpool John Moores University/Merseyside Violence Reduction Partnership.
- [5] Peterson N., Speer P. and McMillan D. (2008) Validation of a brief sense of community scale: Confirmation of the principal theory of sense of community. *Journal of Community Psychology*, 36, pp. 61-73. Available at: <https://doi.org/10.1002/jcop.20217> [Accessed 6 Jun. 2024].
- [6] Nebraska Consortium (2014) *Bystander Intervention Survey.* Available at: <http://www.nebraskaconsortium.org/documents/resources/bystander-intervention-surveybehavior-11-10-14.docx> [Accessed 17 Jun. 2024].

5. Appendix 1: Tables- community safety, violence and neighbourhood cohesion, and bystander attitudes

Table A1: Perceptions of feeling unsafe across Merseyside in the daytime by sociodemographic factors, Wirral LA residents only³⁴⁵

Sociodemographics		In your own home % (n)	At your place of work or education % (n)	In the street where you live % (n)	Your neighbourhood (within a 15-minute walk from your home) % (n)	In the nearest park % (n)	On public transport or at public transport stations % (n)	At taxi ranks % (n)	The nearest town centre % (n)	In pubs, bars, and clubs % (n)	Merseyside generally % (n)
Sex	Male	1.6 (9)	2.1 (8)	4.0 (23)	5.9 (34)	7.4 (41)	5.7 (30)	4.9 (23)	14.7 (85)	7.9 (41)	12.1 (70)
	Female	1.7 (11)	2.7 (12)	3.5 (23)	4.9 (32)	12.9 (80)	7.4 (44)	7.3 (39)	16.9 (110)	10.7 (60)	13.8 (90)
	p	NS	NS	NS	NS	<0.05	NS	NS	NS	NS	NS
Age group (years)	18-24	2.4 (2)	3.7 (3)	5.9 (5)	7.1 (6)	9.6 (8)	9.5 (8)	6.1 (5)	10.6 (9)	13.4 (11)	11.8 (10)
	25-34	2.2 (4)	0.6 (1)	3.8 (7)	4.4 (8)	8.4 (15)	8.6 (15)	5.5 (9)	12.1 (22)	10.5 (18)	10.4 (19)
	35-44	2.5 (5)	4.4 (8)	6.0 (12)	8.0 (16)	10.8 (21)	6.6 (12)	8.4 (15)	16.6 (33)	12.8 (23)	14.1 (28)
	45-54	1.1 (2)	0.6 (1)	1.7 (3)	5.1 (9)	10.5 (18)	5.7 (9)	6.0 (9)	19.7 (35)	9.5 (16)	12.4 (22)
	55-64	1.3 (3)	1.9 (3)	3.0 (7)	6.0 (14)	11.2 (25)	7.7 (16)	5.8 (11)	18.4 (43)	7.3 (15)	14.0 (33)
	65+	1.4 (5)	5.7 (4)	3.5 (12)	3.8 (13)	10.4 (33)	4.6 (14)	5.6 (13)	15.1 (52)	6.8 (18)	14.0 (48)
p	NS	<0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethnicity	Any White background	1.8 (21)	2.5 (20)	3.7 (44)	5.4 (64)	10.7 (121)	6.8 (73)	6.5 (63)	15.8 (188)	9.3 (97)	13.0 (155)
	Any other non-White background	0.0 (0)	0.0 (0)	5.4 (2)	5.4 (2)	2.7 (1)	5.4 (2)	0.0 (0)	16.2 (6)	14.3 (4)	13.9 (5)
	p	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Deprivation quintile	1 (most deprived)	3.2 (14)	2.6 (8)	7.7 (34)	9.8 (43)	17.6 (73)	9.5 (37)	8.5 (32)	16.4 (72)	14.5 (54)	18.0 (79)
	2	2.0 (4)	4.4 (6)	3.0 (6)	3.5 (7)	5.6 (11)	5.8 (11)	5.8 (10)	16.1 (32)	8.9 (16)	9.0 (18)
	3	0.0 (0)	0.7 (1)	1.6 (3)	4.2 (8)	10.1 (18)	5.7 (10)	5.7 (9)	17.0 (32)	7.1 (12)	10.1 (19)
	4	1.2 (3)	1.9 (3)	1.2 (3)	2.7 (7)	6.5 (16)	5.6 (13)	3.6 (7)	20.4 (52)	6.9 (15)	14.1 (36)
	5 (least deprived)	0.0 (0)	2.2 (2)	0.0 (0)	0.7 (1)	2.9 (4)	2.9 (4)	4.8 (5)	4.6 (7)	2.9 (4)	6.0 (9)
	p	<0.05	NS	<0.001	<0.001	<0.001	NS	NS	<0.001	<0.001	<0.001

³ NS – Not significant.

⁴ A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

⁵ Findings in tables and figures may not sum to 100% due to rounding.

Table A2: Perceptions of feeling unsafe across Merseyside in the nighttime by sociodemographic factors, Wirral LA residents only⁶⁷⁸

Sociodemographics		In your own home % (n)	At your place of work or education % (n)	In the street where you live % (n)	Your neighbourhood (within a 15-minute walk from your home) % (n)	In the nearest park % (n)	On public transport or at public transport stations % (n)	At taxi ranks % (n)	The nearest town centre % (n)	In pubs, bars, and clubs % (n)	Merseyside generally % (n)
Sex	Male	3.3 (19)	4.5 (16)	7.6 (44)	11.4 (66)	28.1 (146)	11.4 (59)	10.8 (50)	24.8 (143)	14.8 (75)	21.5 (124)
	Female	3.2 (21)	6.2 (25)	14.1 (92)	18.4 (120)	49.5 (287)	26.0 (146)	21.9 (116)	41.0 (267)	26.2 (142)	35.1 (229)
	p	NS	NS	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Age group (years)	18-24	2.4 (2)	5.2 (4)	11.8 (10)	17.6 (15)	35.4 (29)	21.4 (18)	16.0 (13)	35.3 (30)	23.5 (19)	28.2 (24)
	25-34	3.8 (7)	4.4 (7)	10.9 (20)	16.9 (31)	40.1 (71)	20.9 (36)	16.4 (27)	35.2 (64)	23.5 (40)	31.1 (57)
	35-44	5.0 (10)	4.8 (8)	12.6 (25)	14.1 (28)	35.4 (68)	20.3 (37)	18.0 (32)	31.2 (62)	23.1 (42)	28.1 (56)
	45-54	2.3 (4)	3.4 (5)	7.9 (14)	14.7 (26)	43.6 (72)	16.4 (26)	14.1 (21)	34.5 (61)	19.8 (33)	26.6 (47)
	55-64	3.8 (9)	6.8 (10)	14.0 (33)	17.8 (42)	40.8 (87)	22.6 (47)	18.4 (35)	37.9 (89)	21.6 (44)	34.3 (81)
	65+	2.3 (8)	11.9 (7)	9.9 (34)	12.8 (44)	38.8 (104)	15.2 (41)	16.6 (37)	29.6 (102)	15.7 (38)	24.4 (84)
	p	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethnicity	Any White background	3.0 (36)	5.4 (39)	10.9 (130)	15.1 (180)	39.4 (418)	19.1 (199)	17.2 (164)	33.8 (402)	20.4 (208)	28.7 (342)
	Any other non-White background	10.8 (4)	6.1 (2)	16.2 (6)	16.2 (6)	41.7 (15)	20.0 (7)	9.1 (3)	24.3 (9)	31.0 (9)	27.0 (10)
	p	<0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS
Deprivation quintile	1 (most deprived)	5.7 (25)	7.5 (22)	20.2 (89)	26.5 (117)	47.3 (191)	24.7 (95)	22.7 (85)	39.1 (172)	29.9 (111)	36.3 (160)
	2	4.5 (9)	8.7 (11)	9.5 (19)	14.6 (29)	36.4 (67)	17.0 (31)	15.2 (25)	35.7 (71)	19.6 (35)	24.6 (49)
	3	1.1 (2)	1.7 (2)	3.2 (6)	5.8 (11)	38.5 (67)	13.1 (22)	11.3 (18)	31.9 (60)	18.1 (30)	27.0 (51)
	4	1.6 (4)	2.1 (3)	5.9 (15)	9.8 (25)	34.5 (78)	18.6 (41)	13.9 (27)	35.0 (89)	14.8 (31)	27.2 (69)
	5 (least deprived)	0.7 (1)	3.9 (3)	5.3 (8)	2.6 (4)	27.2 (31)	13.5 (17)	12.1 (12)	12.6 (19)	7.9 (10)	16.7 (25)
	p	<0.05	<0.05	<0.001	<0.001	<0.001	<0.05	<0.05	<0.001	<0.001	<0.001

⁶ NS – Not significant.

⁷ A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

⁸ Findings in tables and figures may not sum to 100% due to rounding.

Table A3: Participants' feelings of safety in different settings across Merseyside during the day and the nighttime, Wirral LA residents only⁹

	During the daytime			During the nighttime		
	Unsafe % (n)	Neither safe nor unsafe % (n)	Safe % (n)	Unsafe % (n)	Neither safe nor unsafe % (n)	Safe % (n)
In your own home	1.7 (21)	3.0 (37)	95.3 (1176)	3.3 (41)	4.5 (56)	92.1 (1137)
At your place of work or education	2.4 (20)	4.8 (40)	92.8 (768)	5.4 (41)	7.2 (55)	87.4 (663)
In the street where you live	3.7 (46)	6.2 (77)	90.0 (1111)	11.1 (137)	11.8 (145)	77.1 (951)
Your neighbourhood (within a 15-minute walk from your home)	5.3 (66)	9.9 (122)	84.8 (1046)	15.1 (186)	17.7 (218)	67.3 (830)
On public transport or at public transport stations	6.7 (75)	12.6 (142)	80.7 (906)	19.1 (206)	20.7 (224)	60.2 (651)
In the nearest park	10.4 (122)	11.2 (131)	78.4 (921)	39.4 (434)	23.1 (255)	37.5 (413)
At taxi ranks	6.3 (63)	13.3 (134)	80.4 (807)	16.8 (167)	18.4 (183)	64.7 (642)
The nearest town centre	15.8 (195)	16.4 (202)	67.8 (835)	33.4 (411)	23.0 (283)	43.7 (538)
In pubs, bars, and clubs	9.4 (101)	14.9 (161)	75.7 (817)	20.6 (217)	20.6 (217)	58.8 (619)
Merseyside generally	13.1 (161)	20.4 (251)	66.6 (820)	28.7 (354)	26.8 (330)	44.5 (549)

⁹ Findings in tables and figures may not sum to 100% due to rounding.

Table A4: Participants' mean levels of feelings of safety during the daytime compared to the nighttime, Wirral LA residents only¹⁰

Setting	n	Daytime mean level of feeling of safety (SD)	Nighttime mean level of feeling of safety (SD)	p
In your own home	1233	4.57 (0.67)	4.38 (0.77)	<0.001
At your place of work or education	739	4.49 (0.73)	4.28 (0.84)	<0.001
In the street where you live	1233	4.35 (0.80)	3.92 (0.98)	<0.001
Your neighbourhood (within a 15-minute walk from your home)	1233	4.21 (0.87)	3.71 (1.04)	<0.001
On public transport or at public transport stations	1064	4.05 (0.90)	3.54 (1.06)	<0.001
In the nearest park	1092	3.98 (1.01)	2.99 (1.23)	<0.001
At taxi ranks	968	4.08 (0.89)	3.63 (1.04)	<0.001
The nearest town centre	1231	3.76 (1.08)	3.13 (1.19)	<0.001
In pubs, bars, and clubs	1035	3.96 (0.98)	3.51 (1.10)	<0.001
Merseyside generally	1231	3.70 (0.97)	3.20 (1.09)	<0.001

¹⁰ A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

Table A5: Proportions of individuals perceiving that violence is common in Merseyside generally and in their own neighbourhood, by sociodemographic, Wirral LA residents only¹¹¹²¹³

Sociodemographic		Perceptions of violence across Merseyside		Perceptions of violence in your neighbourhood	
		Not at all or not very common % (n)	Fairly or very common % (n)	Not at all or not very common % (n)	Fairly or very common % (n)
Sex	Male	16.1 (93)	83.9 (484)	67.5 (391)	32.5 (188)
	Female	7.8 (51)	92.2 (599)	58.5 (382)	41.5 (271)
	p		<0.001		0.001
Age group (years)	18-24	11.9 (10)	88.1 (74)	62.4 (53)	37.6 (32)
	25-34	12.6 (23)	87.4 (159)	61.4 (113)	38.6 (71)
	35-44	6.6 (13)	93.4 (185)	61.3 (122)	38.7 (77)
	45-54	7.3 (13)	92.7 (165)	60.7 (108)	39.3 (70)
	55-64	11.9 (28)	88.1 (208)	57.6 (136)	42.4 (100)
	65+	16.9 (58)	83.1 (285)	68.3 (235)	31.7 (109)
	p		<0.05		NS
Ethnicity	Any White background	11.8 (140)	88.2 (1048)	62.8 (748)	37.2 (444)
	Any other non-White background	13.9 (5)	86.1 (31)	64.9 (24)	35.1 (13)
	p		NS		NS
Deprivation quintile	1 (most deprived)	7.7 (34)	92.3 (407)	46.4 (205)	53.6 (237)
	2	14.1 (28)	85.9 (170)	61.8 (123)	38.2 (76)
	3	16.0 (30)	84.0 (158)	74.6 (141)	25.4 (48)
	4	12.3 (31)	87.7 (221)	72.0 (183)	28.0 (71)
	5 (least deprived)	14.6 (22)	85.4 (129)	81.5 (123)	18.5 (28)
	p		<0.05		<0.001

¹¹ NS – Not significant.

¹² A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

¹³ Findings in tables and figures may not sum to 100% due to rounding.

Table A6: Proportions of individuals feeling personally unsafe from violence in Merseyside generally and in their own neighbourhood, by sociodemographic, Wirral LA residents only¹⁴¹⁵¹⁶

Sociodemographic		Feeling personally unsafe from violence in Merseyside generally % (n)	Feeling personally unsafe from violence in your neighbourhood % (n)
Sex	Male	12.3 (70)	7.2 (41)
	Female	21.1 (135)	9.7 (62)
	<i>p</i>	<0.001	NS
Age group (years)	18-24	16.9 (14)	6.0 (5)
	25-34	12.9 (23)	7.3 (13)
	35-44	21.3 (42)	11.7 (23)
	45-54	18.5 (32)	8.6 (15)
	55-64	22.8 (53)	10.8 (25)
	65+	11.8 (40)	6.5 (22)
	<i>p</i>	<0.05	0.229
Ethnicity	Any White background	16.8 (197)	8.5 (100)
	Any other non-White background	21.6 (8)	10.8 (4)
	<i>p</i>	NS	NS
Deprivation quintile	1 (most deprived)	22.6 (97)	15.6 (67)
	2	15.9 (30)	10.1 (19)
	3	13.8 (26)	1.1 (2)
	4	13.7 (35)	5.5 (14)
	5 (least deprived)	11.3 (17)	1.3 (2)
	<i>p</i>	<0.05	<0.001

¹⁴ NS – Not significant.

¹⁵ A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

¹⁶ Findings in tables and figures may not sum to 100% due to rounding.

Table A7: Adjusted prevalence (%) of perceptions of feeling unsafe across own neighbourhood during daytime and nighttime at ward level, Wirral

Local authority	Ward code	Ward name	Daytime level of unsafety across own neighbourhood	Nighttime level of unsafety across own neighbourhood
Wirral	E05000954	Bebington	3.6	11.0
	E05000955	Bidston and St James	8.8	22.8
	E05000956	Birkenhead and Tranmere	10.8	25.5
	E05000957	Bromborough	6.0	16.4
	E05000958	Clatterbridge	2.3	8.7
	E05000959	Cloughton	6.3	17.5
	E05000960	Eastham	3.7	11.6
	E05000961	Greasby, Frankby and Irby	2.1	7.9
	E05000962	Heswall	1.3	7.5
	E05000963	Hoylake and Meols	2.6	9.4
	E05000964	Leasowe and Moreton East	7.0	18.7
	E05000965	Liscard	7.7	20.5
	E05000966	Moreton West and Saughall	4.9	13.7
	E05000967	New Brighton	5.5	16.7
	E05000968	Oxton	4.3	12.5
	E05000969	Pensby and Thingwall	3.6	10.8
	E05000970	Prenton	5.3	15.4
	E05000971	Rock Ferry	8.6	22.0
	E05000972	Seacombe	9.1	23.2
	E05000973	Upton	6.1	17.0
E05000974	Wallasey	3.6	10.5	
E05000975	West Kirby and Thurstaston	3.0	10.0	

Table A8: Adjusted prevalence (%) of feelings of personal unsafety from violence in own neighbourhood at ward level, Wirral

Local authority	Ward code	Ward name	Feeling personally unsafe from violence in own neighbourhood
Wirral	E05000954	Bebington	6.6
	E05000955	Bidston and St James	12.8
	E05000956	Birkenhead and Tranmere	15.0
	E05000957	Bromborough	9.6
	E05000958	Clatterbridge	4.1
	E05000959	Cloughton	10.0
	E05000960	Eastham	6.4
	E05000961	Greasby, Frankby and Irby	3.6
	E05000962	Heswall	2.3
	E05000963	Hoylake and Meols	4.5
	E05000964	Leasowe and Moreton East	10.7
	E05000965	Liscard	11.8
	E05000966	Moreton West and Saughall Massie	7.5
	E05000967	New Brighton	10.4
	E05000968	Oxton	7.2
	E05000969	Pensby and Thingwall	5.3
	E05000970	Prenton	8.6
	E05000971	Rock Ferry	12.4
	E05000972	Seacombe	13.2
	E05000973	Upton	9.7
E05000974	Wallasey	6.5	
E05000975	West Kirby and Thurstaston	5.1	

Table A9: Proportions of individuals with low neighbourhood cohesion scores, by sociodemographic, Wirral LA residents only¹⁷¹⁸¹⁹

Sociodemographic		Low neighbourhood needs fulfilment scores % (n)	Low neighbourhood group membership scores % (n)	Low neighbourhood influence scores % (n)	Low neighbourhood emotional connection scores % (n)
Total		11.1 (137)	10.9 (134)	16.3 (200)	13.3 (164)
Sex	Male	11.7 (68)	10.4 (60)	18.1 (104)	13.5 (78)
	Female	10.5 (68)	11.2 (73)	14.7 (95)	13.1 (85)
	p	NS	NS	NS	NS
Age group (years)	18-24	14.1 (12)	18.8 (16)	16.5 (14)	17.6 (15)
	25-34	9.8 (18)	12.0 (22)	12.2 (22)	16.4 (30)
	35-44	11.1 (22)	11.1 (22)	16.7 (33)	13.6 (27)
	45-54	9.6 (17)	10.2 (18)	14.7 (26)	14.1 (25)
	55-64	11.9 (28)	8.9 (21)	18.9 (44)	13.1 (31)
	65+	11.6 (40)	10.2 (35)	16.9 (58)	10.4 (36)
	p	NS	NS	NS	NS
Ethnicity	Any White background	10.9 (130)	10.7 (127)	16.3 (193)	13.0 (155)
	Any other non-White background	18.9 (7)	18.9 (7)	19.4 (7)	24.3 (9)
	p	NS	NS	NS	<0.05
Deprivation quintile	1 (most deprived)	17.5 (77)	18.0 (79)	21.3 (93)	21.1 (93)
	2	11.1 (22)	9.6 (19)	19.7 (39)	12.6 (25)
	3	7.4 (14)	7.4 (14)	11.7 (22)	9.5 (18)
	4	5.1 (13)	6.3 (16)	8.7 (22)	7.1 (18)
	5 (least deprived)	7.3 (11)	4.0 (6)	15.9 (24)	6.6 (10)
	p	<0.001	<0.001	<0.001	<0.001

¹⁷ NS – Not significant.

¹⁸ A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

¹⁹ Findings in tables and figures may not sum to 100% due to rounding.

Table A10: Proportions of individuals with positive bystander intervention scores, by sociodemographics, Wirral LA residents only²⁰²¹²²

Sociodemographic		Positive bystander scores % (n)
Total		34.2 (418)
Sex	Male	38.1 (220)
	Female	30.8 (198)
	<i>p</i>	<0.05
Age group (years)	18-24	41.2 (35)
	25-34	34.4 (63)
	35-44	34.3 (68)
	45-54	39.5 (70)
	55-64	40.9 (95)
	65+	25.4 (86)
	<i>p</i>	<0.05
Ethnicity	Any White background	34.0 (402)
	Any other non-White background	136.1 (13)
	<i>p</i>	NS
Deprivation quintile	1 (most deprived)	33.3 (145)
	2	36.4 (72)
	3	32.1 (60)
	4	37.8 (95)
	5 (least deprived)	30.5 (46)
	<i>p</i>	NS

²⁰ NS – Not significant.

²¹ A p-value helps understand whether given results are due to chance – a low p-value (typically less than 0.05) suggests that findings are likely meaningful and not just due to chance.

²² Findings in tables and figures may not sum to 100% due to rounding.

6. Appendix 2: Tables – violence victimisation in adulthood

Table A11: Adjusted violence victimisation prevalence (%) at local authority/Merseyside level

Study area	Experienced any form of violence since age 18	Experienced any form of violence in the past 12 months
Wirral	39.4	5.0
Knowsley	28.4	3.1
Liverpool	33.4	5.4
Sefton	28.8	3.8
St Helens	30.1	3.5
Merseyside	32.9	4.5

Table A12: Adjusted violence victimisation prevalence (%) at ward level, Wirral

Local authority	Ward code	Ward name	Experienced any form of violence since age 18	Experienced any form of violence in the past 12 months
Wirral	E05000954	Bebington	39.0	4.1
	E05000955	Bidston and St James	42.2	7.0
	E05000956	Birkenhead and Tranmere	43.2	7.7
	E05000957	Bromborough	40.7	5.6
	E05000958	Clatterbridge	35.8	3.2
	E05000959	Cloughton	40.6	5.9
	E05000960	Eastham	38.3	4.1
	E05000961	Greasby, Frankby and Irby	35.9	2.9
	E05000962	Heswall	33.8	3.2
	E05000963	Hoylake and Meols	37.1	3.4
	E05000964	Leasowe and Moreton East	40.8	5.9
	E05000965	Liscard	40.8	6.6
	E05000966	Moreton West and Saughall Massie	40.2	4.4
	E05000967	New Brighton	40.2	5.8
	E05000968	Oxton	39.5	4.1
	E05000969	Pensby and Thingwall	39.1	3.3
	E05000970	Prenton	39.8	5.2
	E05000971	Rock Ferry	41.4	7.3
	E05000972	Seacombe	41.7	7.5
	E05000973	Upton	40.3	5.5
E05000974	Wallasey	39.0	3.5	
E05000975	West Kirby and Thurstaston	36.7	3.2	

Table A13: Adjusted prevalence (%) of individual types of adulthood violence victimisation and subtypes at ward level, Wirral

Local authority	Ward code	Ward name	Any form of intimate partner violence	Any form of night-time economy	Physical violence	Psychological abuse and coercive control	Stalking and harassment	Sexual Violence			
								Any sexual violence	Indecent exposure	Unwanted sexual touching	Rape or assault by penetration
Wirral	E05000954	Bebington	11.7	10.6	27.3	9.2	11.5	13.7	6.7	9.6	4.0
	E05000955	Bidston and St James	15.5	8.5	31.0	13.6	15.6	12.7	6.8	8.3	3.1
	E05000956	Birkenhead and Tranmere	15.4	8.7	32.6	13.8	16.4	12.7	7.0	8.1	3.2
	E05000957	Bromborough	13.4	9.9	29.5	11.1	13.2	13.0	6.4	9.1	3.8
	E05000958	Clatterbridge	10.2	10.0	23.5	7.8	10.1	12.6	6.8	7.9	2.8
	E05000959	Cloughton	13.2	9.1	29.6	11.3	13.3	12.1	6.0	8.5	3.4
	E05000960	Eastham	11.6	10.1	26.5	9.3	11.5	13.0	6.6	8.8	3.4
	E05000961	Greasby, Frankby and Irby	10.4	10.2	23.3	7.9	10.1	12.9	7.1	8.0	2.7
	E05000962	Heswall	9.2	10.0	20.7	6.9	9.4	12.1	7.1	7.1	2.3
	E05000963	Hoylake and Meols	10.9	10.1	24.7	8.6	10.7	12.6	6.6	8.2	2.9
	E05000964	Leasowe and Moreton East	14.1	9.0	29.7	11.9	13.8	12.3	6.3	8.3	3.3
	E05000965	Liscard	14.1	8.6	30.1	12.0	13.9	12.1	6.3	8.1	3.3
	E05000966	Moreton West and Saughall Massie	12.8	9.5	28.4	10.8	12.6	12.2	5.9	8.7	3.0
	E05000967	New Brighton	12.6	9.5	29.4	10.2	12.6	13.5	6.7	9.6	4.7
	E05000968	Oxton	12.1	9.7	28.1	10.0	11.9	12.3	6.0	8.6	3.2
	E05000969	Pensby and Thingwall	11.9	9.1	27.0	10.2	11.8	11.3	5.2	8.2	2.3
	E05000970	Prenton	12.8	9.6	28.3	10.7	12.8	12.6	6.3	8.7	3.4
	E05000971	Rock Ferry	14.8	8.7	30.8	12.9	14.7	11.7	6.2	7.8	3.0
	E05000972	Seacombe	15.3	8.6	31.2	13.1	15.1	11.9	6.4	7.9	3.1
	E05000973	Upton	13.5	9.2	28.9	11.3	13.3	12.8	6.5	8.8	3.4
E05000974	Wallasey	11.8	10.2	27.5	9.3	11.4	13.5	6.6	9.3	3.7	
E05000975	West Kirby and Thurstaston	11.2	9.6	24.6	8.7	10.7	12.6	6.9	7.9	2.7	

7. Appendix 3: Tables – adverse childhood experiences

Table A14: Adjusted ACE count prevalence (%) at local authority/Merseyside level

Study area	No ACEs	1 ACE	2-3 ACEs	4+ ACEs
Wirral	50.0	19.6	18.5	11.9
Liverpool	50.5	18.0	17.6	14.0
Knowsley	48.3	23.1	17.0	11.6
Sefton	49.4	18.0	20.1	12.6
St Helens	52.1	17.9	22.2	7.9
Merseyside	50.1	18.9	18.8	12.2

Table A15: Adjusted ACE count prevalence (%) at ward level, Wirral

Local authority	Ward code	Ward name	0 ACEs	1 ACE	2-3 ACEs	4+ ACEs
Wirral	E05000954	Bebington	51.3	19.4	18.7	10.6
	E05000955	Bidston and St James	46.5	19.5	18.8	15.2
	E05000956	Birkenhead and Tranmere	45.8	18.9	18.4	16.9
	E05000957	Bromborough	48.0	19.8	19.4	12.8
	E05000958	Clatterbridge	55.4	18.6	16.8	9.2
	E05000959	Clughton	47.5	20.3	19.5	12.6
	E05000960	Eastham	52.1	19.2	18.1	10.6
	E05000961	Greasby, Frankby and Irby	56.0	18.4	16.6	9.0
	E05000962	Heswall	57.5	17.7	15.8	8.9
	E05000963	Hoylake and Meols	54.2	19.2	17.2	9.4
	E05000964	Leasowe and Moreton East	47.5	19.9	19.3	13.3
	E05000965	Liscard	46.4	19.8	19.8	14.1
	E05000966	Moreton West and Saughall Massie	50.2	20.8	18.4	10.6
	E05000967	New Brighton	47.0	19.7	20.8	12.5
	E05000968	Oxton	50.8	20.4	18.5	10.3
	E05000969	Pensby and Thingwall	52.5	21.7	17.2	8.6
	E05000970	Prenton	49.3	19.9	18.8	12.0
	E05000971	Rock Ferry	45.6	19.7	19.5	15.2
	E05000972	Seacombe	44.9	19.4	19.8	15.8
	E05000973	Upton	48.4	19.9	19.1	12.6
	E05000974	Wallasey	51.9	19.6	18.6	10.0
	E05000975	West Kirby and Thurstaston	54.6	18.9	17.0	9.5

Table A16: Adjusted prevalence (%) of individual types of ACEs at ward level, Wirral

Local authority	Ward code	Ward name	Physical neglect	Childhood abuse			Household member						Parental separation	Witnessing community violence	Bullying
				Physical	Verbal	Sexual	Mental illness	Alcohol harm	Drugs harm	Gambling harm	Incarceration	Domestic violence			
Wirral	E05000954	Bebington	2.8	19.9	20.2	9.6	15.4	13.5	3.2	2.9	1.9	13.6	19.9	22.3	28.8
	E05000955	Bidston and St James	4.7	20.0	24.0	9.9	18.9	16.9	5.8	3.4	4.8	17.1	26.9	29.0	29.2
	E05000956	Birkenhead and Tranmere	6.1	19.7	24.8	10.2	20.4	17.2	6.6	3.4	4.7	17.8	27.9	30.6	29.3
	E05000957	Bromborough	3.4	20.4	22.2	9.3	17.3	15.6	4.5	3.3	3.3	15.5	24.1	26.0	29.2
	E05000958	Clatterbridge	2.9	18.5	19.1	9.3	13.0	11.2	2.8	2.5	1.4	11.6	16.2	19.7	27.9
	E05000959	Cloughton	3.4	20.6	22.9	8.9	16.8	15.1	4.5	3.3	3.4	15.7	24.3	26.2	29.1
	E05000960	Eastham	3.0	19.4	20.3	9.5	14.9	13.1	3.4	2.8	2.1	13.3	19.5	22.3	28.5
	E05000961	Greasby, Frankby and Irby	2.8	18.3	18.6	9.6	12.8	11.1	2.7	2.4	1.5	11.3	15.6	19.5	28.0
	E05000962	Heswall	3.1	17.5	20.3	8.5	12.2	10.2	2.8	2.3	0.9	10.4	15.3	18.2	27.8
	E05000963	Hoylake and Meols	2.9	18.7	19.6	9.4	13.4	11.5	2.9	2.5	1.7	11.9	17.2	20.6	28.4
	E05000964	Leasowe and Moreton East	3.7	20.5	22.5	9.2	17.2	16.0	4.8	3.3	4.0	16.2	24.6	27.1	29.0
	E05000965	Liscard	3.8	21.0	23.6	8.8	17.8	16.6	5.2	3.5	4.2	17.0	26.0	28.0	28.9
	E05000966	Moreton West and Saughall Massie	3.0	19.5	20.4	9.6	14.9	13.1	3.6	2.9	2.9	13.7	20.7	24.0	29.0
	E05000967	New Brighton	3.0	22.1	23.2	9.0	17.2	15.5	3.8	3.3	2.3	16.5	23.6	24.9	28.9
	E05000968	Oxton	2.9	19.9	19.9	9.7	14.6	13.0	3.3	2.9	2.5	13.7	19.9	23.2	28.6
	E05000969	Pensby and Thingwall	2.6	18.4	18.7	9.8	12.7	10.8	2.8	2.5	2.4	11.8	17.7	21.7	28.4
	E05000970	Prenton	3.3	20.0	22.1	9.1	16.2	14.4	4.2	3.1	3.0	14.7	22.6	24.8	29.0
	E05000971	Rock Ferry	4.2	20.4	24.2	8.7	18.8	17.6	6.1	3.6	5.1	17.3	28.0	29.8	29.2
	E05000972	Seacombe	4.3	20.9	24.6	8.7	19.3	18.4	6.4	3.7	5.3	18.1	28.8	30.4	29.3
	E05000973	Upton	3.4	20.3	21.9	9.4	16.8	15.2	4.4	3.2	3.5	15.4	23.4	25.6	28.8
E05000974	Wallasey	2.7	20.1	18.7	10.2	14.5	13.0	2.8	2.8	2.0	13.4	18.3	22.1	28.5	
E05000975	West Kirby and Thurstaston	2.9	18.9	18.6	9.9	13.1	11.7	2.8	2.5	2.0	12.2	16.5	20.8	28.0	

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