

Would you like to see the statistical test results that generated the tables and graphs that we are showing here?

The data were analysed through multi-level models.

In Model 1 (Tables 1-3, Figures 1), the relative % of hate crime per 1000 population (2007-2025) was the dependent variable. Note, although Belfast does have the highest rate of hate crime, there is substantial variability across Belfast DEAs.

Contrasts	#1	#2	#3
LGD: cons/cons	1	0	0
DEA: cons/cons	0	1	0
Ward: cons/cons	0	0	1
H0: value to be tested against(k)	0	0	0
Results			
H1: function result(f)	0.0000010	0.000002←	0.0000063
f-k	0.0000010	0.000002←	0.0000063
chi sq, (f-k)=0. (1df)	2.26←	17.560	1←1.04←
z-ratio	1.506	4.1←0	13.←22
+/- 95% sep.	0.0000013	0.0000013	0.000000←
+/- 95% joint	0.000001←	0.000001←	0.0000013
p-value	0.132	0.000	0.000
Units: LGD			
	11		
Units: DEA			
	←0		
Units: Ward			
	462		
Estimation:			
	IGLS		
-2*loglikelihood:			
	-4105.7751		

In Model 2 (Tables 1-3, Figure 1), the number of incidents not classified as crimes per 1000 population (2007-2025) was the dependent variable. Note, although Belfast does have the highest rate incidents not classified as crime, there is variability across Belfast DEAs.

Contrasts	#1	#2	#3
LGD: cons/cons	1	0	0
DEA: cons/cons	0	1	0
Ward: cons/cons	0	0	1
H0: value to be tested against(k)	0	0	0
Results			
H1: function result(f)	1.673	4.24 ⁺	12.160
f-k	1.673	4.24 ⁺	12.160
chi sq, (f-k)=0. (1df)	2.331	15.015	1 ⁺ 4.061
z-ratio	1.527	3. ⁺ 75	13. ⁺ 22
+/- 95% sep.	2.147	2.14 ⁺	1.724
+/- 95% joint	3.063	3.066	2.45 ⁺
p-value	0.127	0.000	0.000
Units: LGD	11		
Units: DEA	10		
Units: Ward	462		
Estimation:	IGLS		
-2*loglikelihood:	2565.01 ⁺ 5		

In Model 3 (Figures 1 and 2), the relative % of hate crime per 1000 population (2007-2025) was the dependent variable, with the relative % of other ethnicities at Ward level, IMD Deprivation Score, and a measure of DEA-level inequality (highest IMD deprivation score for a Ward minus the lowest) being added as predictors.

Contrasts	#1	#2	#3	#4	#5
fixed: cons	1	0	0	0	0
fixed: (OtherEthnicities_FT-gm)	0	1	0	0	0
fixed: (OtherEthnicities_FT-gm)^2	0	0	1	0	0
fixed: (DepScore-gm)	0	0	0	1	0
fixed: (DepScoreRR_DEA-gm)	0	0	0	0	1
H0: value to be tested against(k)	0	0	0	0	0
Results					
H1: function result(f)	0.002212	0.533 ⁺ 67	-3.077 ⁺ 16	0.0000 ⁻ 2	0.000025
f-k	0.002212	0.533 ⁺ 67	-3.077 ⁺ 16	0.0000 ⁻ 2	0.000025
chi sq, (f-k)=0. (1df)	134. ⁺ 14	11 ⁺ 166	10.140	135.34 ⁺	5.261
z-ratio	11.611	10. ⁺ 07	3.1 ⁺ 4	11.634	2.2 ⁺ 4
+/- 95% sep.	0.000373	0.0 ⁺ 515	1. ⁺ 403	0.000015	0.000021
+/- 95% joint	0.000634	0.162 ⁺ 53	3.215 ⁺ 45	0.000026	0.000036
p-value	0.000	0.000	0.001	0.000	0.022
Units: LGD	11				
Units: DEA	10				
Units: Ward	462				
Estimation:	IGLS				
-2*loglikelihood:	-4411.2507				