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ar son na hAeráide & Comhshaoil**
Department of Communications,
Climate Action & Environment

THE NATIONAL LITTER POLLUTION MONITORING SYSTEM
LITTER MONITORING BODY
SYSTEM RESULTS REPORT FOR
DUBLIN CITY COUNCIL

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TOBIN CONSULTING ENGINEERS



REPORT

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The National Litter Pollution Monitoring System

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2. The local authorities that provided us with their Litter Survey Results.

1 INTRODUCTION

This report sets out the results of the National Litter Pollution Monitoring System (System Results) for Dublin City Council. These results are compared to national results and aggregate results for all Dublin councils. Data presented in this report are based on Litter Quantification and Litter Pollution Surveys carried out by local authorities in 2017. These surveys measure the composition and extent/severity of litter pollution respectively.

Chapter 2 analyses the results of Litter Quantification Surveys carried out by Dublin City Council. These surveys indicate the main constituent elements of litter pollution in Dublin City. Chapter 3 presents the results of Litter Pollution Surveys, which indicate the severity and causes of litter pollution.

2 LITTER QUANTIFICATION SURVEY RESULTS

The composition of litter pollution is established by carrying out Litter Quantification Surveys. The results of Litter Quantification Surveys submitted to the Litter Monitoring Body by Dublin City Council are summarised in this report. Results from a total of 65 surveys have been used to compile this section of the report. The main categories of litter are illustrated in Figure 2.1.

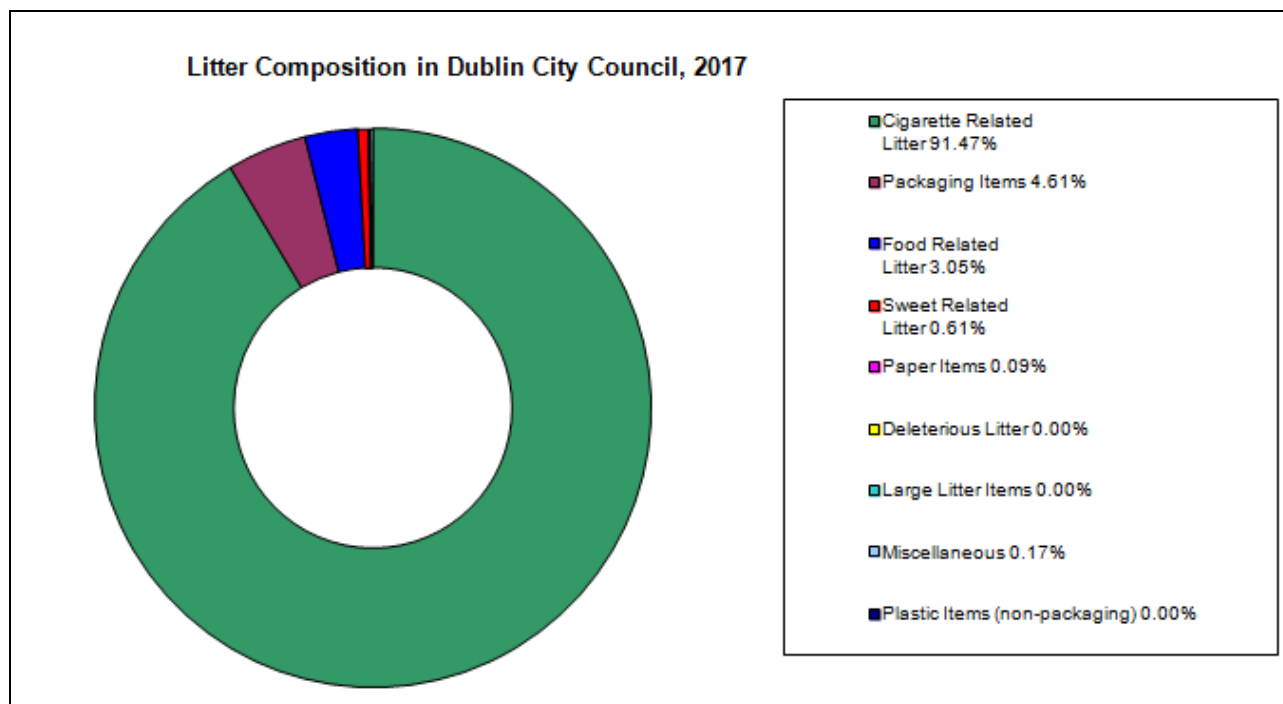


Figure 2.1 Composition of Litter Pollution in Dublin City in 2017

A comparison of the main litter components found by Dublin City Council in 2016 and 2017 are presented in Figure 2.2. A comparison of Dublin City Council's results with the aggregate from Dublin councils and national results is presented in Figure 2.3. The actual litter count for the main litter categories in Dublin City Council's functional area in 2017 is detailed in Table 2.

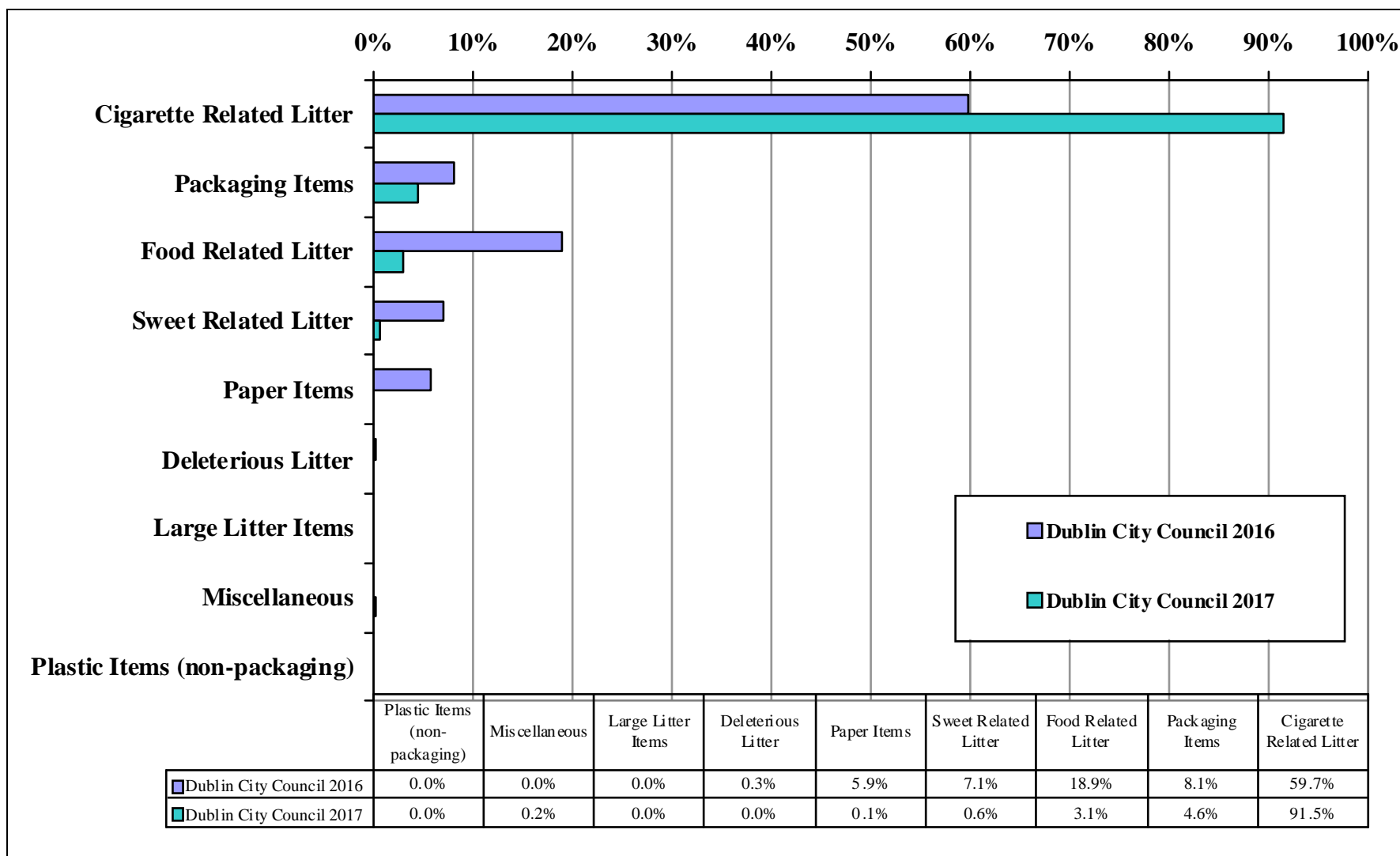


Figure 2.2 Comparison of Litter Composition in Dublin City in 2016 and 2017

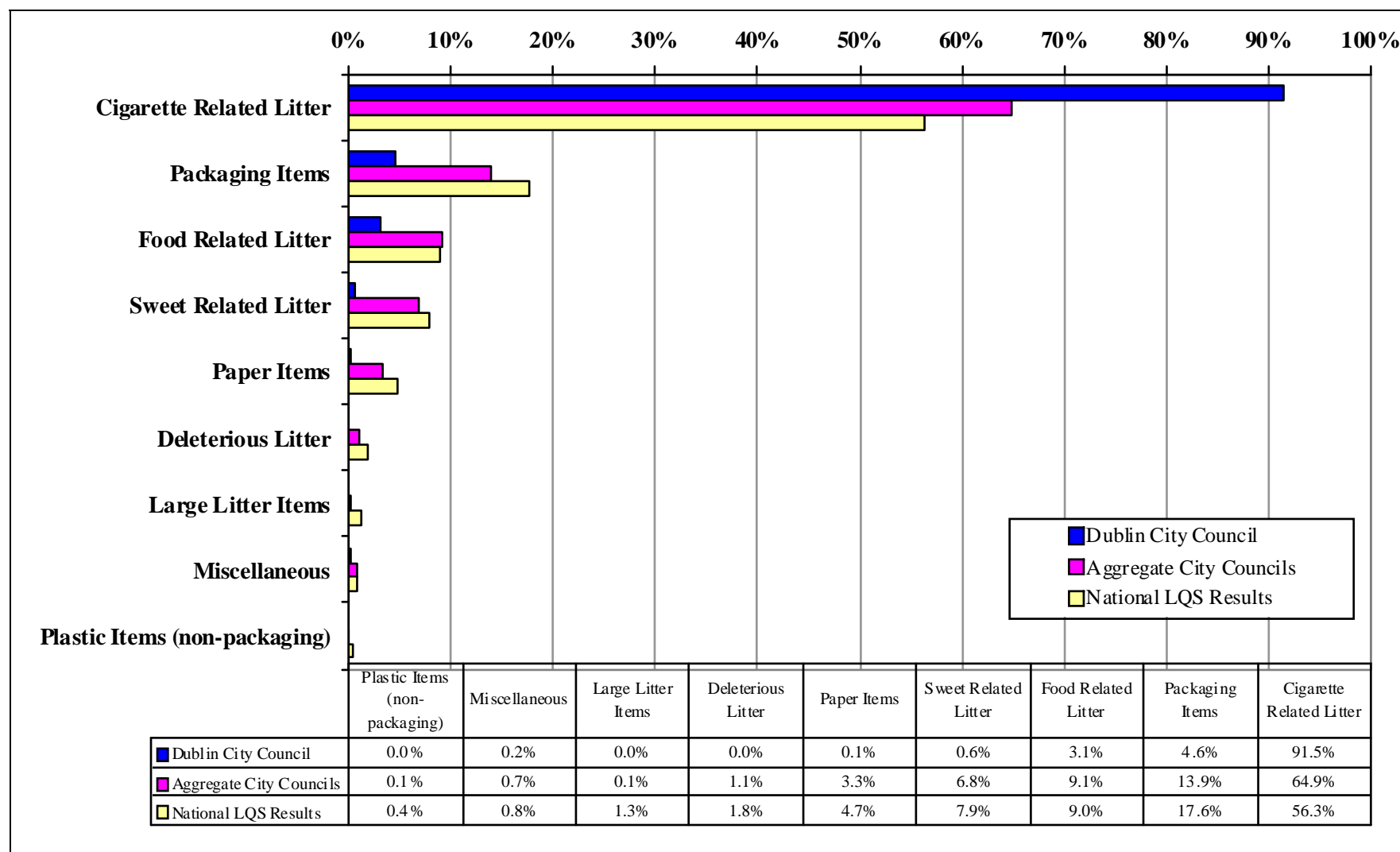


Figure 2.3 Comparison of Litter Composition in Dublin City Council with Aggregate Results for Dublin Councils and National Results

Significance	Litter Category	Count
1	Cigarette-related Litter	1051
2	Packaging Litter	53
3	Food Litter	35
4	Sweet Related Litter	7
5	Miscellaneous Litter Items	2
6	Paper Litter	1
7	Deleterious Litter	0
8	Plastic Litter	0
9	Bulky Litter	0

Table 2.1 Litter Categories Ranked in Order of Significance for Dublin City Council

Table 2.2 represents a detailed breakdown of litter categories illustrating the exact composition of litter in Dublin City Council for 2017. Further breakdowns of the major constituents of the litter are represented in Figures 2.4, 2.5, 2.6 and 2.7.

Cigarette Related Litter	Cigarette ends	91.4%
	Cigarette boxes and wrappers	0.1%
	Matches	0.0%
	Matchboxes and lighters	0.0%
Food Related Litter	Chewing Gum	2.2%
	Remnants of confectionery food items	0.0%
	Other food items	0.3%
	Fast-food remnants	0.0%
	Bread/ biscuits	0.0%
Packaging Items	Fruit/ vegetables	0.6%
	Bottle Caps	0.3%
	Bottles	0.1%
	Drink cups	0.1%
	Drink Lids	0.2%
	Bags and wrappers	0.0%
	Beverage Cans - Non-alcoholic	0.1%
	Beverage Cans - Alcoholic	0.0%
	Beverage Bottles - Alcoholic	0.0%
	Other paper packaging	2.7%
	Beverage Bottles - Non-alcoholic	0.0%
	Drinks cartons	0.0%
	Plastic film	0.3%
	Other plastic packaging	0.2%
	Cardboard	0.2%
	Tin foil (not sweet wrappers)	0.0%
	Bags - shopping bags	0.3%
	Other metal litter items	0.0%
	Lids (e.g. from bottles, jars)	0.0%
	Food cans	0.0%
	Aeroboard	0.0%
	Jars and other containers	0.0%
	Metal drums	0.0%
	Bags	0.0%
	Boxes	0.3%
	Bags - other (e.g. fertiliser)	0.0%
	Plastic sheeting (e.g. silage)	0.0%
	Bubble-wrap	0.0%
Sweet Related Litter	Sweet Wrappers (plastic/foil)	0.1%
	Lollipop Sticks (wooden/plastics)	0.2%
	Straws	0.1%
	Crisp Bags	0.3%
Paper Items	Tissues	0.1%
	Receipts	0.0%
	Other paper items	0.0%
	Tickets (e.g. bus, lottery)	0.0%
	Bank slips	0.0%
	Newspapers	0.0%
	Flyers and posters	0.0%
	Letters, envelopes and cards	0.0%
	Magazines/ brochures	0.0%
Deleterious Litter	Dog fouling	0.0%
	Municipal Hazardous Waste (e.g. paint, solvents)	0.0%
	Other deleterious items	0.0%
	Feminine hygiene products	0.0%
	Nappies	0.0%
Large Litter Items	Needles and syringes	0.0%
	Other large items	0.0%
	Household refuse in bags	0.0%
	Appliances (e.g. fridge)	0.0%
	Furniture	0.0%
Miscellaneous	Scrap cars	0.0%
	Miscellaneous Litter Items	0.2%
Plastic Items (Non-packaging)	Plastic items	0.0%

Table 2.2 Detailed Analysis of Litter Composition in Dublin City Council, 2017

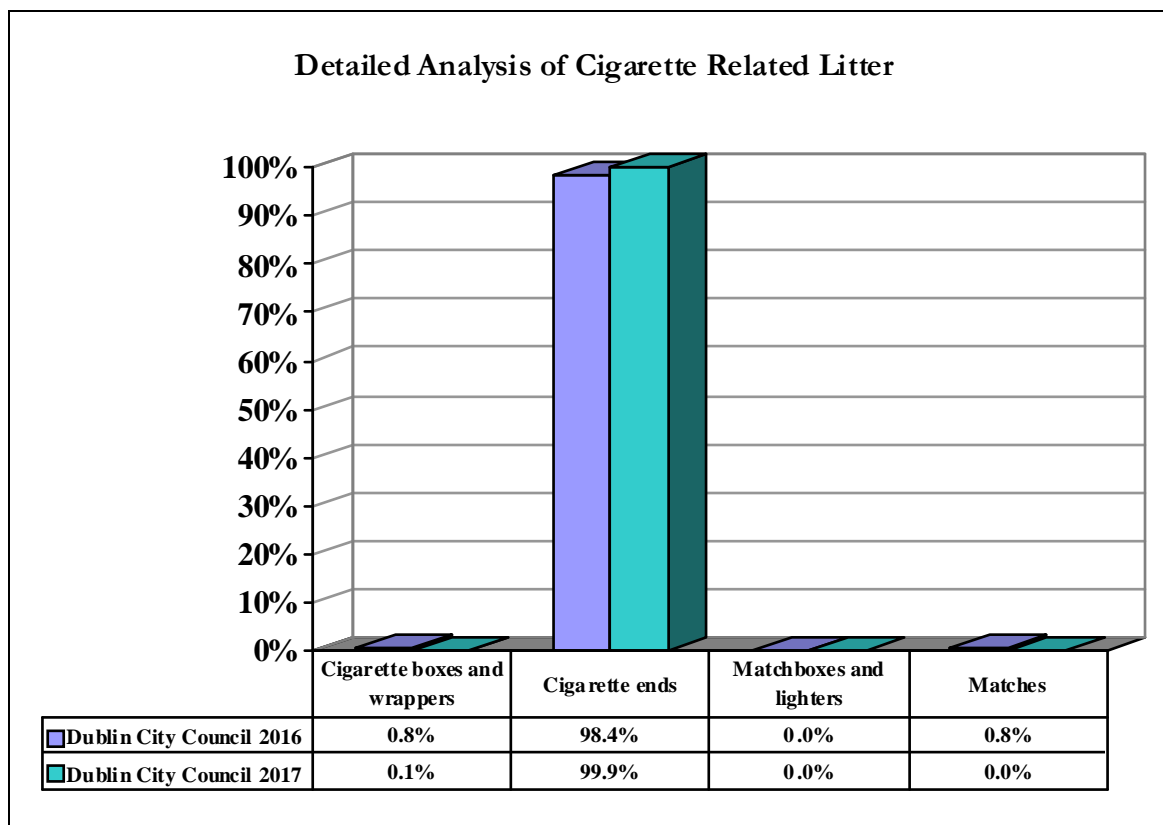


Figure 2.4 Detailed Analysis of Cigarette Related Litter in Dublin City Council, 2016– 2017

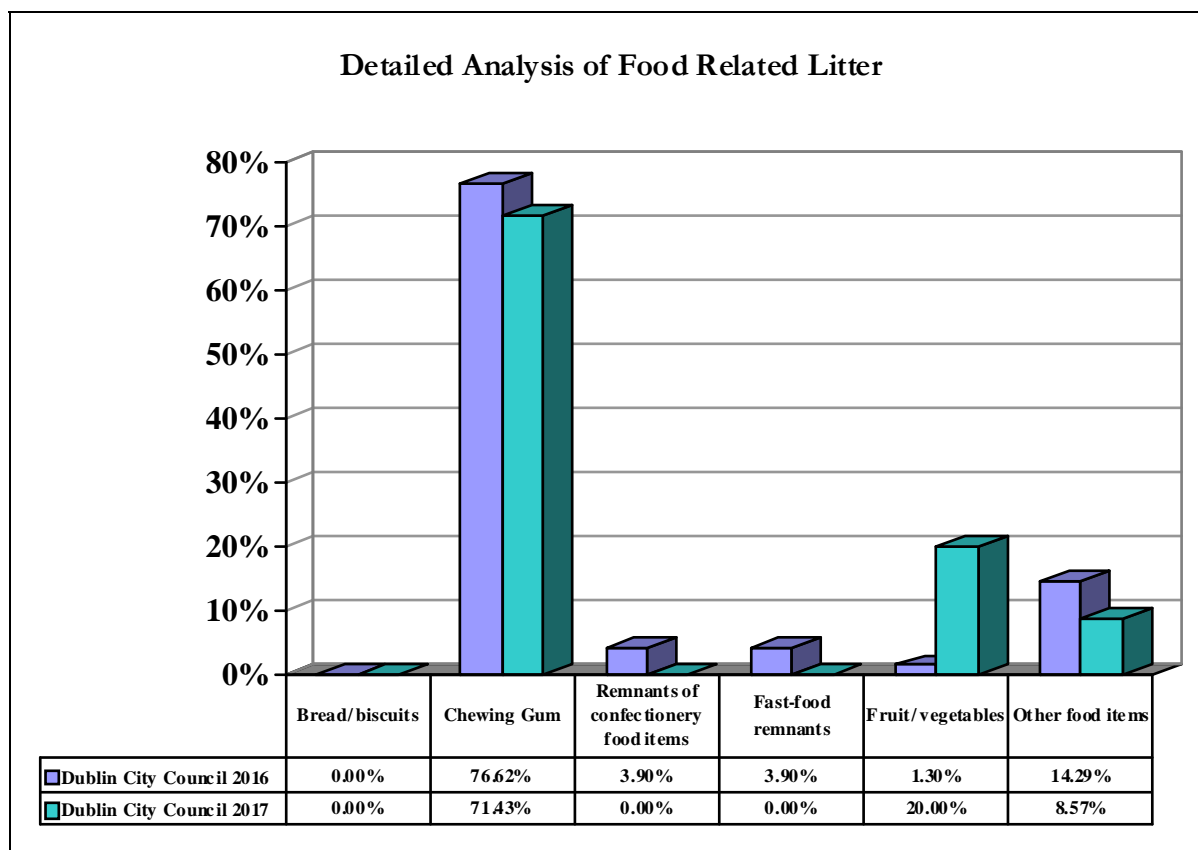


Figure 2.5 Detailed Analysis of Food Related Litter in Dublin City, 2016 – 2017

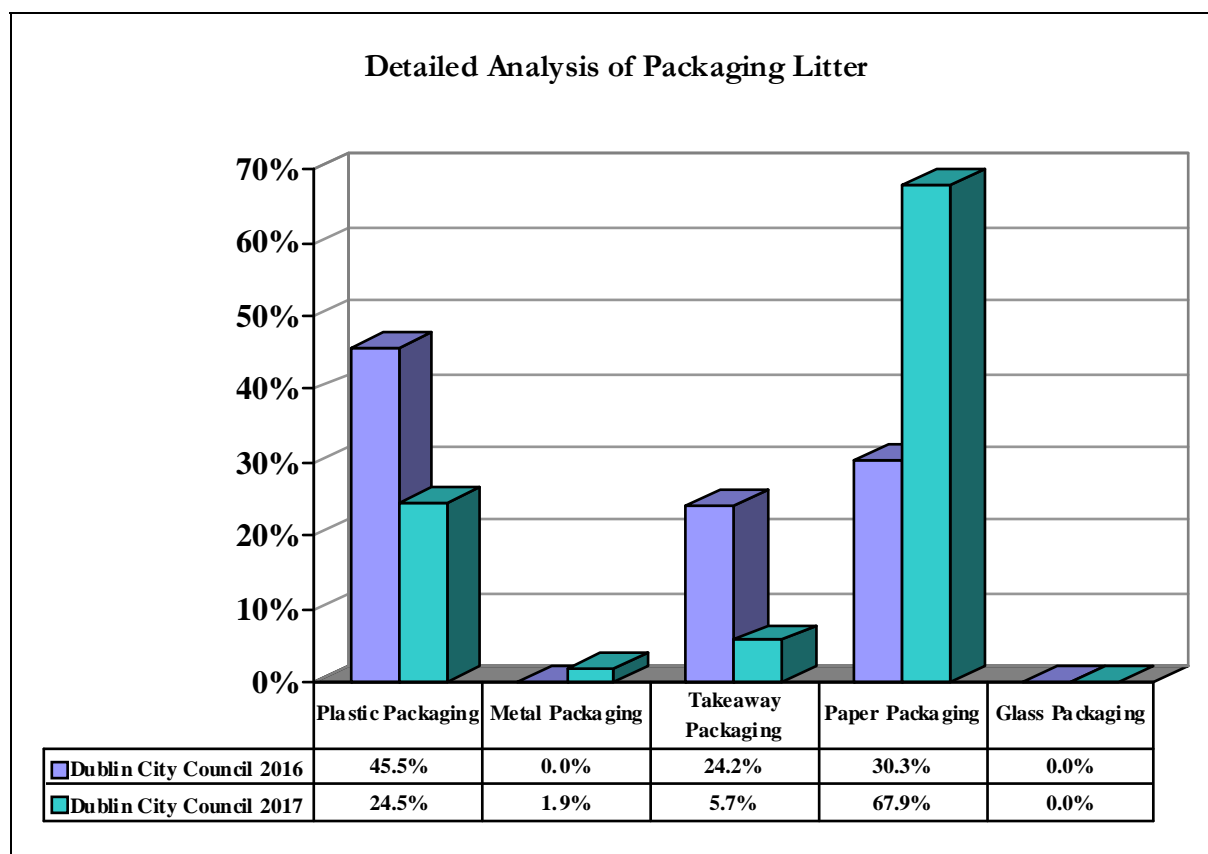


Figure 2.6 Detailed Analysis of Packaging Litter in Dublin City, 2016-2017

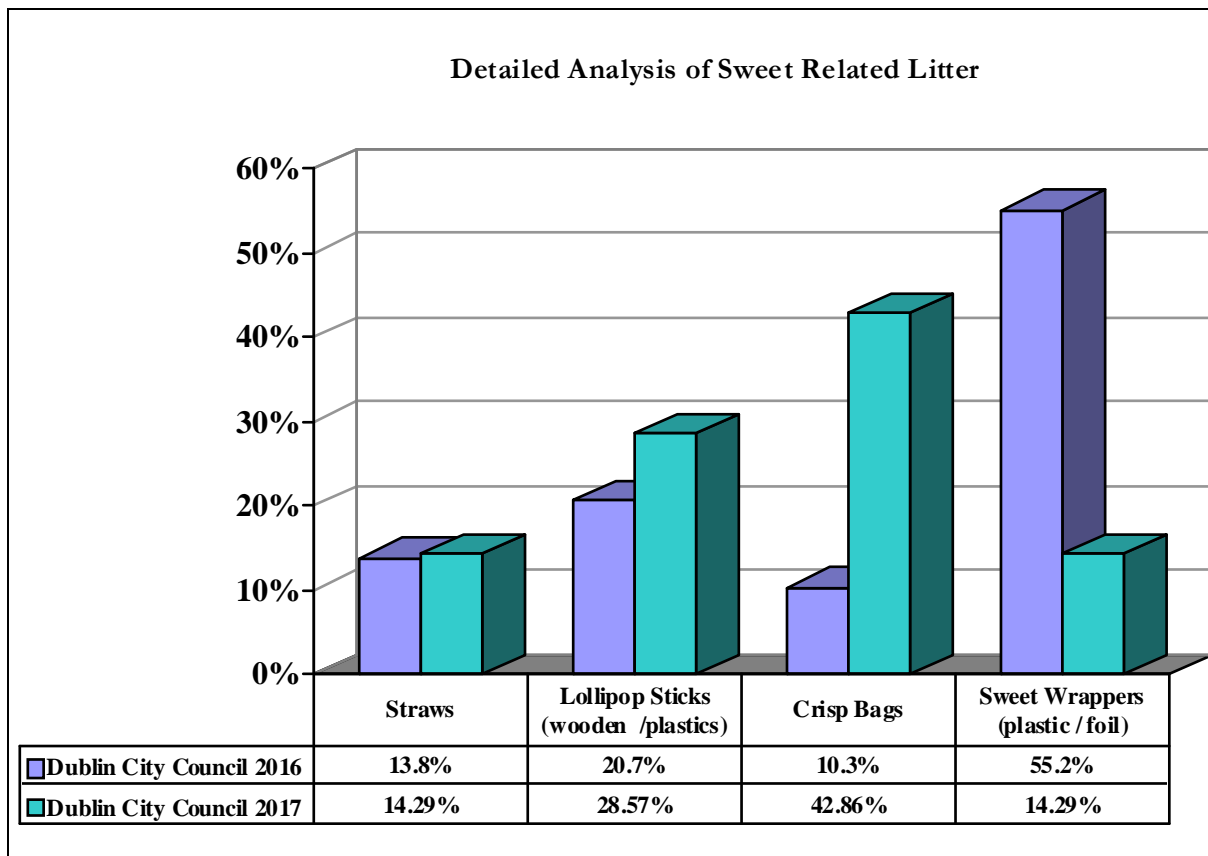


Figure 2.7 Detailed Analysis of Sweet Related Litter in Dublin City, 2016-2017

3 LITTER POLLUTION SURVEY RESULTS

The purpose of the Litter Pollution Survey is to identify the severity and causes of litter pollution within each local authority's functional area. The Litter Monitoring Body tracks changes in pollution levels in order to measure improvement in the severity of litter pollution. Figure 3.1 provides the Litter Pollution Survey results submitted by Dublin City Council to the Litter Monitoring Body in 2017 and compares them to the results received from Dublin City Council in 2016. Details regarding each survey area are contained in the Appendix to this report.

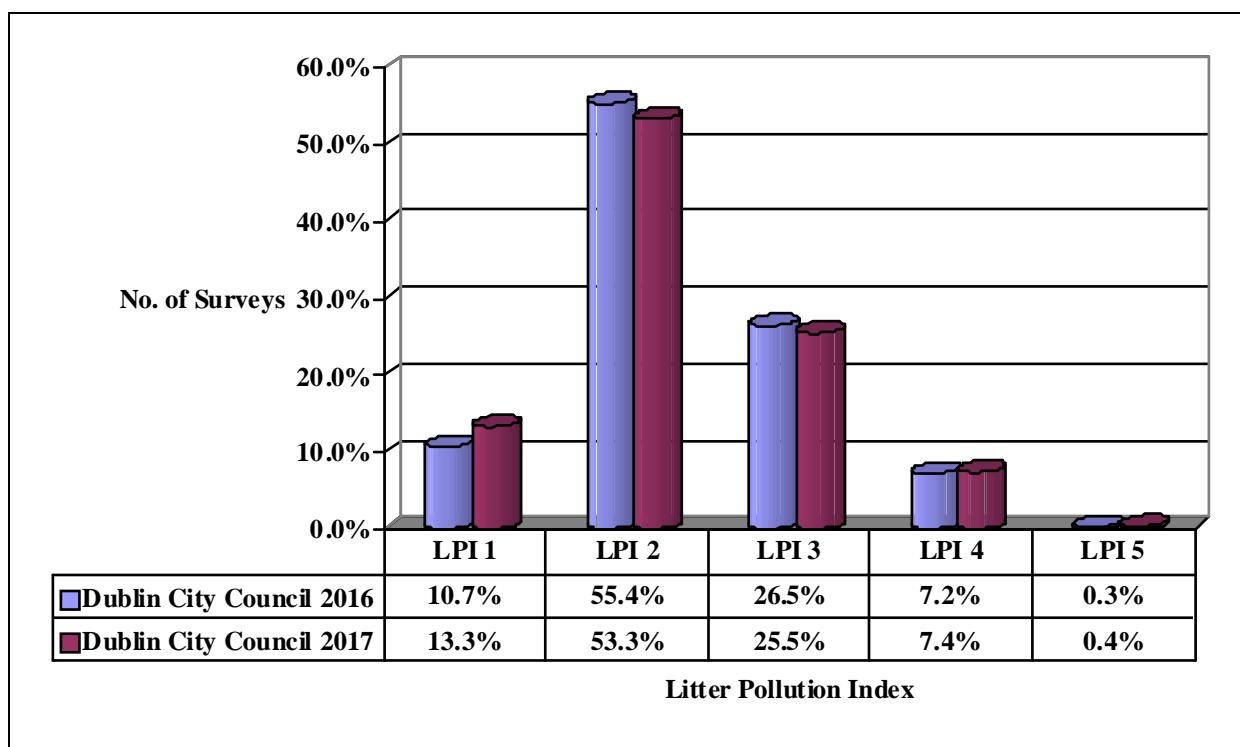


Figure 3.1 Litter Pollution Survey Results for Dublin City, 2016 - 2017

Figure 3.2 compares the National Litter Pollution Survey results and the Aggregate Litter Pollution Survey results from Dublin Councils that submitted data, to the results submitted by Dublin City Council.

During the Litter Pollution Surveys, surveyors are asked for observations on the primary causative factors of litter pollution. The main causes of litter in Dublin City Council for 2017 are set out in Figure 3.3 and compared to the results received from Dublin City Council in 2016.

The main causative factors found in Dublin City Council are compared to the average found in Dublin councils and the national average in Figure 3.4.

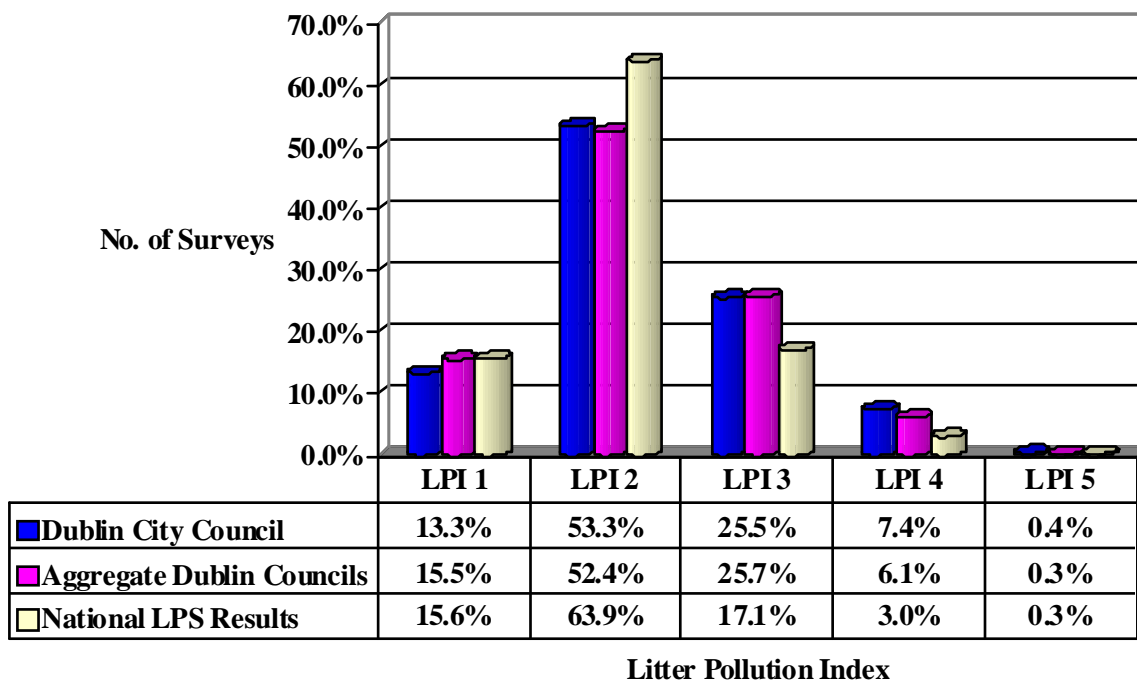


Figure 3.2 Comparison of Litter Pollution Indices in Dublin City Council with Aggregate Results for Dublin Councils and National Results

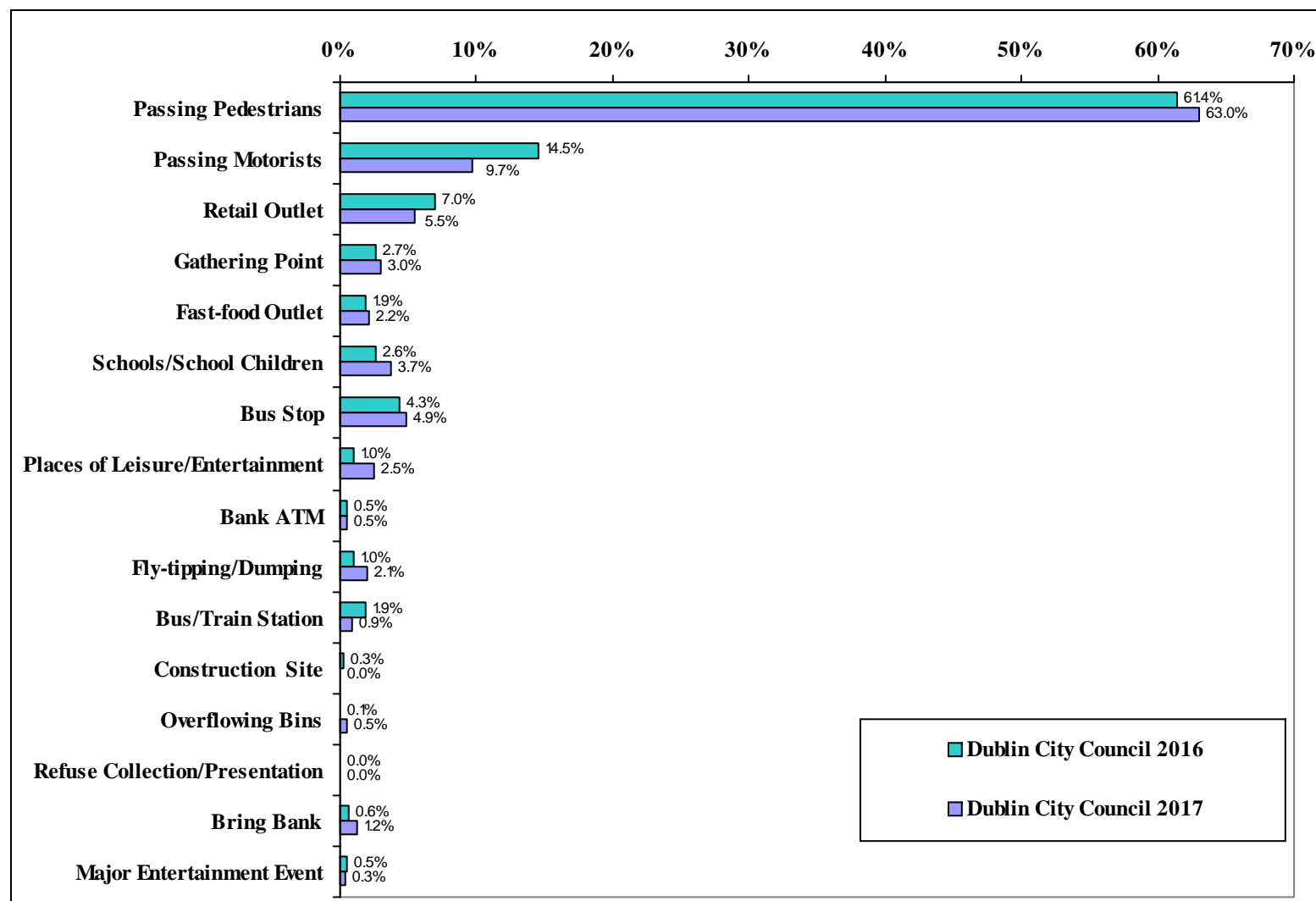


Figure 3.3 Comparison of Causative Factors of Litter Pollution in Dublin City, 2016 - 2017

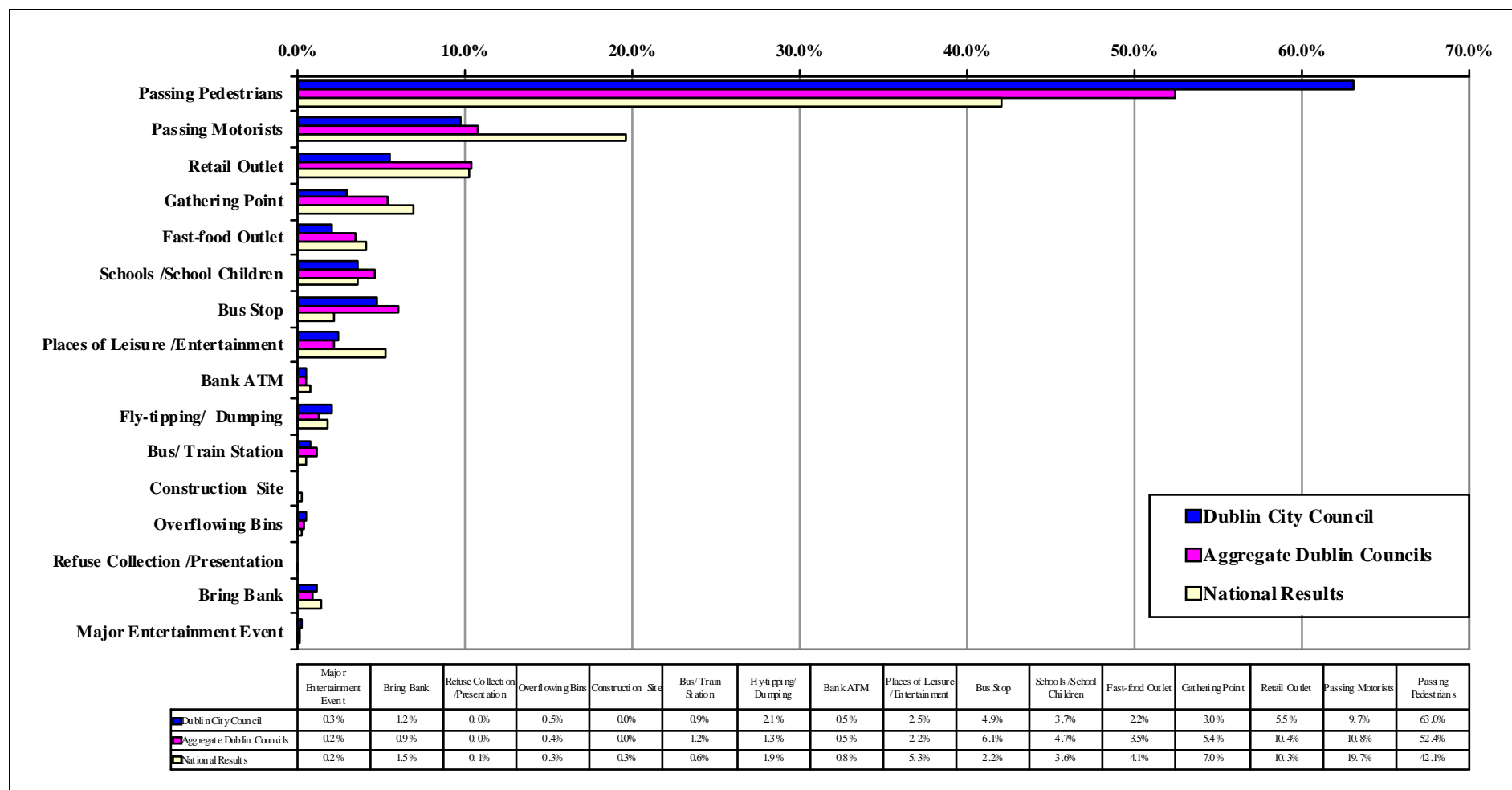


Figure 3.4 Comparison of Causative Factors in Dublin City Council with Aggregate Results for Dublin Councils and National Results

APPENDIX 1

Litter Pollution Survey Results

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