



Údarás Náisiúnta Iompair
National Transport Authority

National Rail Census Report 2023

June 2024



Contents

Introduction	4
1 Overview of the Rail Network	5
2 Key Events in 2023	9
Changes to Rail Fares, Services, and Infrastructure	9
Conditions on the Day of the Census	9
3 Comparison of National Rail Census and Annual Rail Statistics	10
4 Rail Usage and Economic Trends	12
5 Trends in Daily Rail Patronage	13
Trends in daily national rail patronage	13
6 Rail Patronage	23
National and Greater Dublin Area	23
Rail Usage according to Service Categories	23
Rail Usage on Individual Lines	24
DART	25
Connolly Northbound/Southbound	29
Dublin – Belfast (Enterprise)	33
Connolly Eastbound/Westbound	34
Heuston Commuter Services	38
Heuston InterCity Services	42
Cork Commuter and Regional	43
Regional Lines	47

7 Radial Rail Usage in Dublin	48
Daily Line Flow into Dublin City Centre by Radial Corridor	48
Peak Hour Flows by Radial Corridor	50
Train Loadings by Radial Corridor	52
Appendix A: Daily Boardings at each Station, by Service Type	53
Appendix B: Daily Alightings at each Station by Service Type	59



Introduction

Iarnród Éireann commissioned Amárach Research to carry out the annual National Rail Census on behalf of the National Transport Authority on 9th November 2023. The 2023 National Rail Census (hereinafter referred to as “the Census”) is the eleventh national Census. Prior to 2012, the census was limited to the Greater Dublin Area (GDA) comprising the counties of Dublin, Meath, Kildare, and Wicklow.

The annual National Rail Census captures the number of individuals boarding and alighting at each station in the country on a single day of the year. It provides a snapshot of patronage across the country at all stations and on all services on the day of the survey. It is not intended to represent an accurate picture of overall rail service usage, which instead is recorded in Iarnród Éireann’s annual patronage data. Though the rail census data is subject to variation each year based on factors like operating conditions, weather, and service delays, it is nonetheless a useful barometer of trends over time.

Overall, on census day, there were 178,262 passenger journeys across the network; this is an increase of 12% compared to 2022. Iarnród Éireann reported 45.5m passenger journeys in the year 2023, which is an increase of 27% compared to 2022 when 35.8m journeys were recorded.

This report provides an overview of the 2023 National Rail Census and discusses the changes in rail journeys throughout the country. It also sets out the changes in rail usage in the GDA in 2023 and over the previous years. Please note that no survey took place in 2020 on account of the Covid-19 pandemic and thus this year is missing from the annual datasets throughout this report.

The report structure is as follows:

- **Chapter 1:** provides an overview of the rail network in Ireland and the services provided;
- **Chapter 2:** provides a background to the 2023 Rail Census with key events;
- **Chapters 3 and 4:** assess how the findings of the Rail Census compare with other indicators of rail usage;
- **Chapter 5:** analyses the trends in rail journeys and discusses in detail the findings from the 2023 Rail Census;
- **Chapter 6:** presents an analysis of journeys on individual lines; and
- **Chapter 7:** discusses patterns of passenger movement in and out of Dublin on a radial corridor basis.

1 Overview of the Rail Network

The rail network in Ireland consists of approximately 2,400 km of railway track and includes 150¹ stations (counting five stations in Northern Ireland served directly by cross-border services). Three distinct categories of service operate on the national rail network: InterCity; Commuter; and DART. These service categories share lines over sections of the network.

Table 1 provides a description of the routes within each of the categories as defined by Iarnród Éireann. Figure 1 to Figure 3 show maps of the network.

Table 1: Routes and Services in the Iarnród Éireann Network

Route	Services on Each Route
Intercity	Dublin - Belfast
	Dublin - Sligo
	Dublin - Westport / Ballina
	Dublin - Galway
	Dublin - Limerick
	Dublin - Cork / Limerick Junction / Tralee
	Dublin - Waterford
	Dublin - Kilkenny
	Dublin - Rosslare
	Limerick - Galway
	Limerick - Waterford
Commuter Routes	Dublin - Dundalk
	Dublin - Portlaoise
	Dublin - Longford
	Dublin - Dunboyne / M3 Parkway
	Dublin - Gorey
	Mallow - Cork - Cobh - Middleton
	Phoenix Park Commuter
DART	Malahide / Howth - Dublin - Bray / Greystones

1 All the station information can be viewed at: <https://www.irishrail.ie/en-ie/travel-information/find-a-station>

Figure 1: Intercity Network (not including all commuter stations in Dublin & Cork)²



2 The maps in Figures 1,2 and 3 are available at <https://www.irishrail.ie/en-ie/travel-information/station-and-route-maps>. Note that the most recently opened station, Pelletstown, is not included in this map.

Figure 2: Dublin Commuter Network

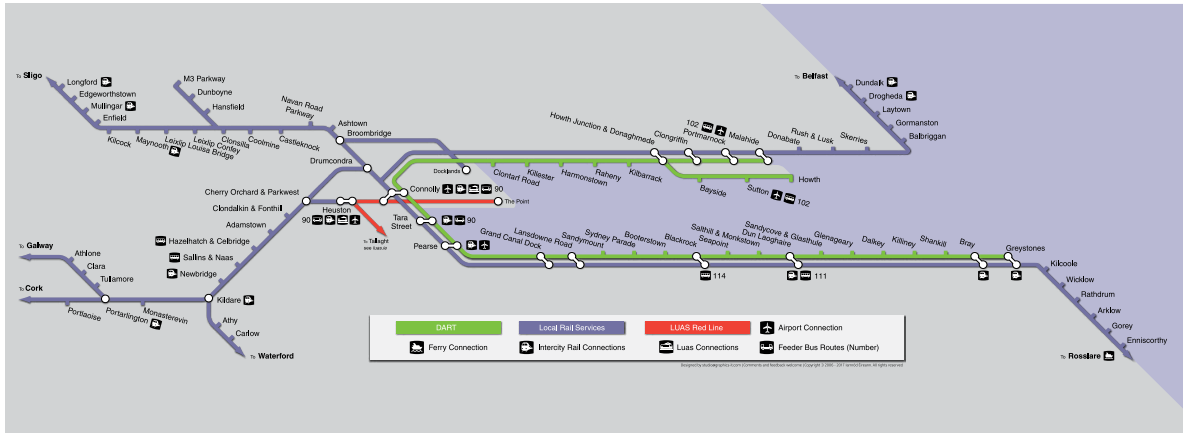
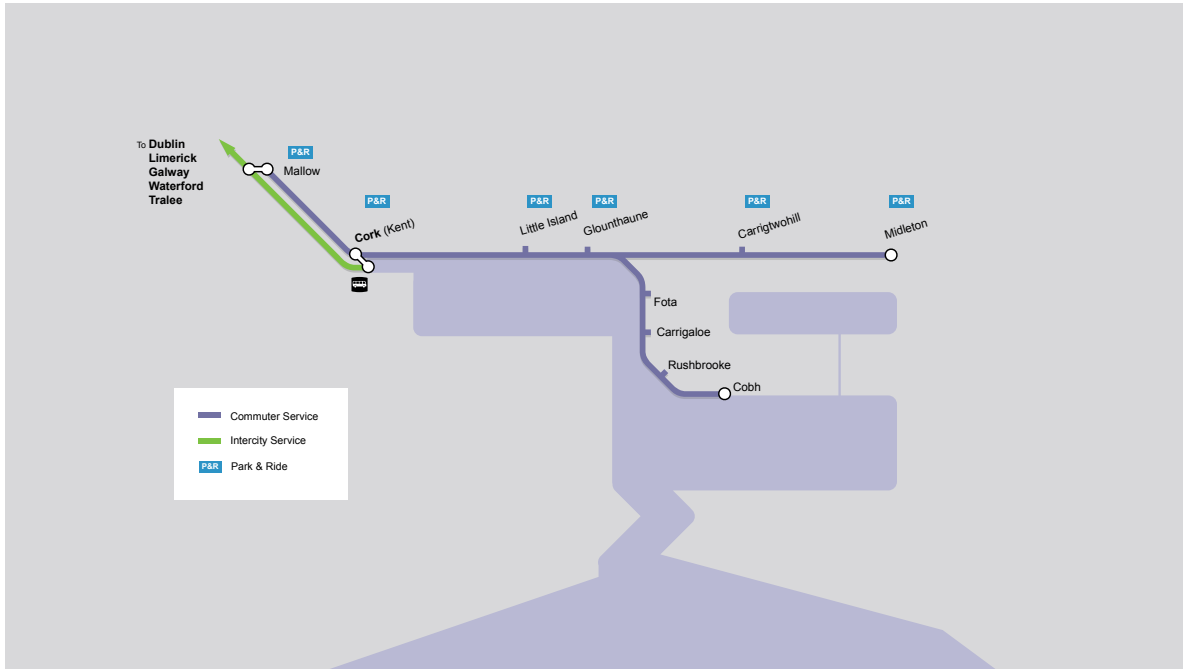


Figure 3: Cork Commuter Network



Tables 2 to 4 detail the service provision for an average weekday for direct InterCity services and key Commuter and DART services. This includes the fastest journey time and the number of services available per weekday in 2023 for both directions.

Table 2: InterCity Journey Times and Service Frequency 2023³

Route	Fastest journey time 2023	Number of services per weekday
Dublin - Cork	02:19:00	29
Dublin - Belfast Lanyon Place	02:05:00	16
Dublin - Galway/Athlone	01:39:00	19
Dublin - Westport	03:11:00	8
Dublin - Sligo	02:08:00	18
Dublin - Tralee	03:42:00	2
Dublin - Limerick	02:04:00	7
Dublin - Waterford	02:00:00	14
Dublin - Rosslare	02:58:00	7

Table 3: Key Commuter Journey Times and Service Frequency 2023

Route	Fastest journey time 2023	Number of services per weekday ⁴
Dublin - Portlaoise	00:46:00	38
Dublin - Newbridge	00:37:00	26
Dublin - Maynooth	00:31:00	73
Dublin - Drogheda	00:51:00	32
Dublin - Dundalk	01:19:00	11
Cork - Mallow	00:21:00	14
Cork - Midleton	00:22:00	62
Cork - Cobh	00:24:00	62

Table 4: DART Journey Times and Service Frequency 2023

Route	Route	Fastest journey time 2023	Number of services per weekday
Southbound	Howth/Malahide - Bray/Greystones	01:12	99 ⁵
Northbound	Bray/Greystones - Howth/Malahide	01:13	98 ⁶

³ Both directions.

⁴ Total number of daily direct commuter services in both directions, excluding InterCity Services.

⁵ Four Southbound DART services terminate at Connolly, one southbound DART service departs from Connolly.

⁶ Three Northbound DART services terminate at Connolly, one northbound DART service departs from Connolly.

2 Key Events in 2023

Changes to Rail Fares, Services, and Infrastructure

There were no significant changes to the rail fares, infrastructure, or services in 2023.

Conditions on the Day of the Census

The 2023 census took place on Thursday, 9th November 2023. Operating conditions on the day were normal with no service cancellations, delays or disruptions on the network. Due to personnel issues, 7 of the 846 services operating on the day could not be surveyed however these were captured one week later on Thursday, 16th November 2023.



3 Comparison of National Rail Census and Annual Rail Statistics

Iarnród Éireann produces statistics on the number of journeys taken nationally on the rail network on an annual basis.

Chart 1 compares the percentage change in daily rail journeys taken (from the Rail Census) with the percentage change in annual passenger journeys using 2012 as a baseline (prior to 2012, the Rail Census was carried out within the GDA only). The trends in both annual and daily rail journeys have followed similar trajectories over a long period of time. This suggests that the Rail Census can be considered representative of annual passenger journeys and therefore a reasonable proxy for annual trends.

Chart 1: %Change in Daily Rail Journeys compared to Annual Rail Journeys (National: 2012-2023)

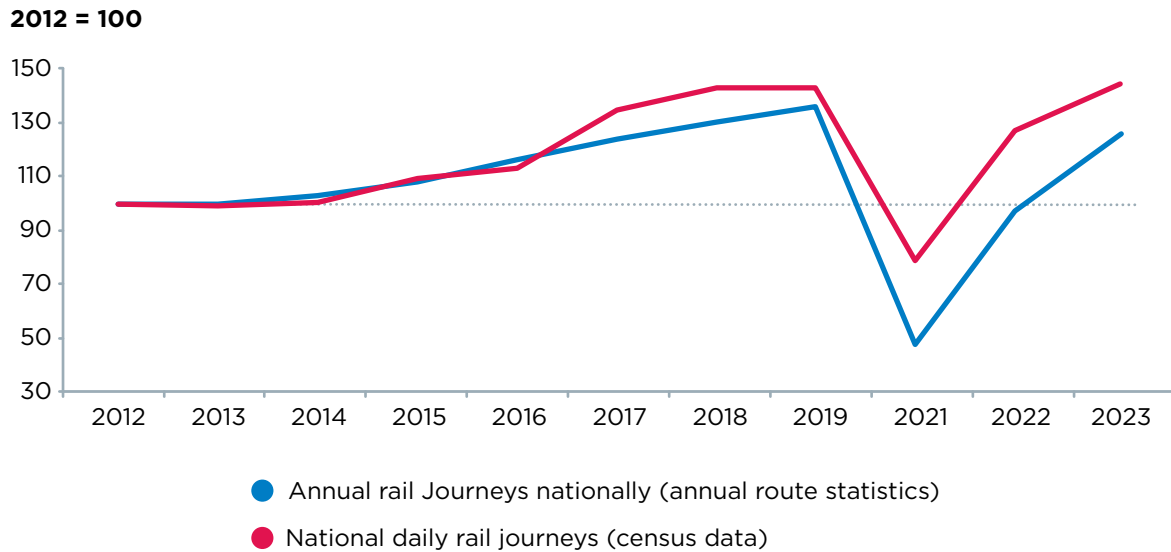
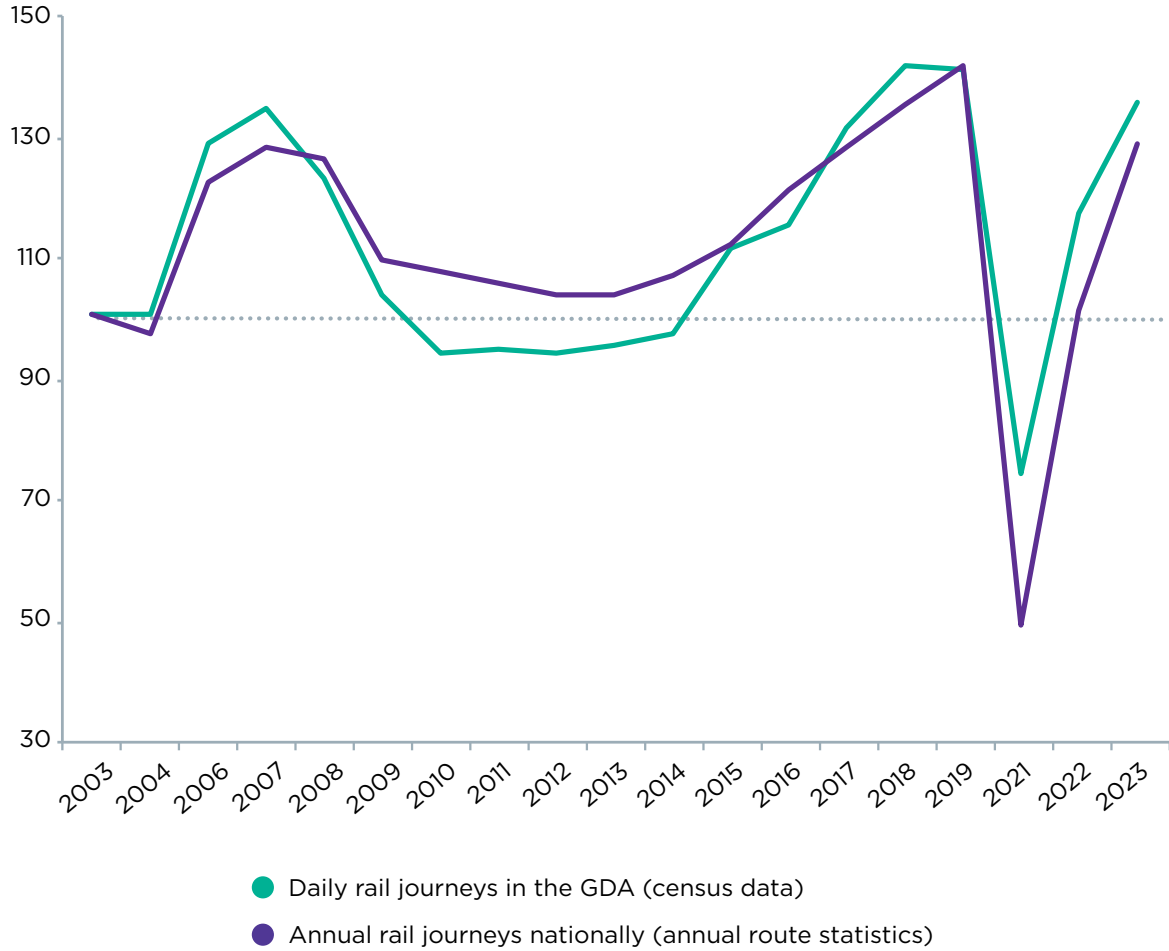


Chart 2 compares the percentage change in daily rail journeys within the GDA (from the Rail Census) with the percentage change in annual passenger journeys nationally, using 2003 as a baseline. The period 2014-2019 showed significant growth in both daily and annual passenger journeys. As a result of the Covid-19 pandemic, in 2021, both patronage in GDA and annual passenger journeys decreased with annual passenger journeys experiencing a larger relative reduction. 2022 subsequently saw a partial recovery with annual passenger journeys doubling from 2021. This recovery continued into 2023 with an increase of 15% in passenger journeys compared to the previous year.

Chart 2: %Change in Daily Rail Journeys compared to Annual Rail Journeys (GDA: 2003 - 2023)

2003 = 100

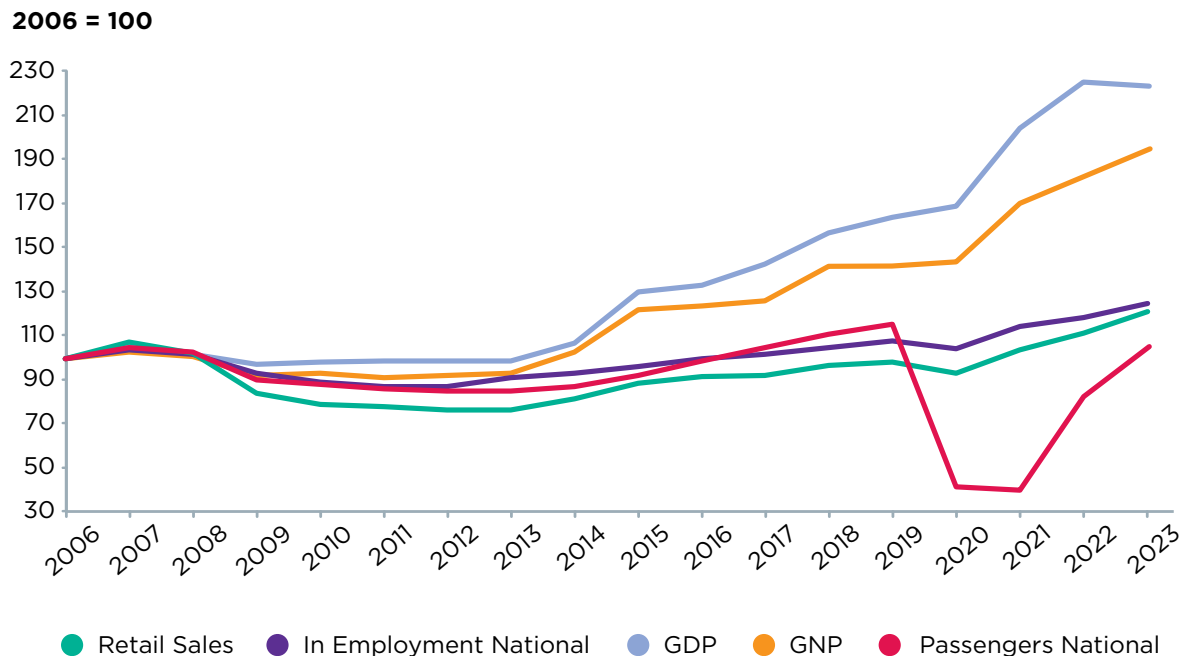


4 Rail Usage and Economic Trends

Given that rail usage is a derived demand, it is useful to understand the relationship between rail patronage and other indicators of economic activity. Doing so may assist in anticipating future trends in rail demand and aid service planning. Chart 3 compares the evolution of national rail patronage with key national economic indicators including Gross National Product (GNP) and the level of Employment, using 2006 as a baseline.

A long-term relationship between patronage and these indicators is clearly evident between 2006 and 2019, as increases and decreases in economic activity are reflected in rail passenger numbers. In 2020 and 2021, the annual rail passenger numbers decreased significantly whilst the other economic indicators continued to increase throughout the period of the Covid-19 pandemic. Chart 3, below, shows that, in 2022 and 2023, economic indicators continued on an upward trajectory and passenger numbers began to recover from the pandemic-induced low levels of the previous two years as restrictions on movement were lifted.

Chart 3: Rail Journeys and Key Economic Indicators⁷



⁷ Sources:
 CSO – Gross Domestic Product and Gross National Product, GDP and GNP at Constant (chain linked annually ref to 2019) Market Prices (Euro Million), Retail Sales Index Value Unadjusted (Base 2015=100).
 Labour Force Survey Quarterly Series, Persons aged 15-89 years in Employment. IÉ – Annual Route Statistics.

5 Trends in Daily Rail Patronage

This chapter discusses the trends in national rail journeys since 2012 and those in the Greater Dublin Area (GDA) since 2003. Prior to 2012 the rail census was undertaken for the GDA only.

Trends in daily national rail patronage

The trend in daily national rail patronage has been assessed for the following lines:

- DART Northbound: Greystones/Bray – Howth/Malahide
- DART Southbound: Malahide/Howth – Greystones/Bray
- Connolly Northbound: Rosslare – Dundalk
- Connolly Southbound: Dundalk – Rosslare
- Connolly Eastbound: Sligo – Longford – Bray
- Connolly Westbound: Bray – Longford – Sligo
- Heuston North & Eastbound⁸: Kildare/Newbridge/Athlone/Carlow/Portlaoise/Cork/Limerick/Galway/Westport/Waterford/Tralee – Heuston
- Heuston South & Westbound⁹: Heuston -Kildare/Newbridge/Athlone/Carlow/Portlaoise/Cork/Limerick/Galway/Westport/Waterford/Tralee
- Cork Commuter and Regional Inbound: Cobh/Midleton – Cork; Tralee/Mallow – Cork
- Cork Commuter and Regional Outbound: Cork - Cobh/Midleton ; Cork – Mallow/Tralee
- Regional Northbound: Limerick – Galway/Ballybrophy/Limerick Junction & Waterford – Limerick Junction
- Regional Southbound: Galway/Ballybrophy/Limerick Junction – Limerick & Limerick Junction to Waterford

⁸ Includes Ballina to Manulla Junction and Westport/Galway to Athlone services, as well as Phoenix Park Tunnel Services.

⁹ Includes Manulla Junction to Ballina and Athlone to Westport/Galway services as well as Phoenix Park Tunnel Services.

Trends in Daily National Rail Patronage

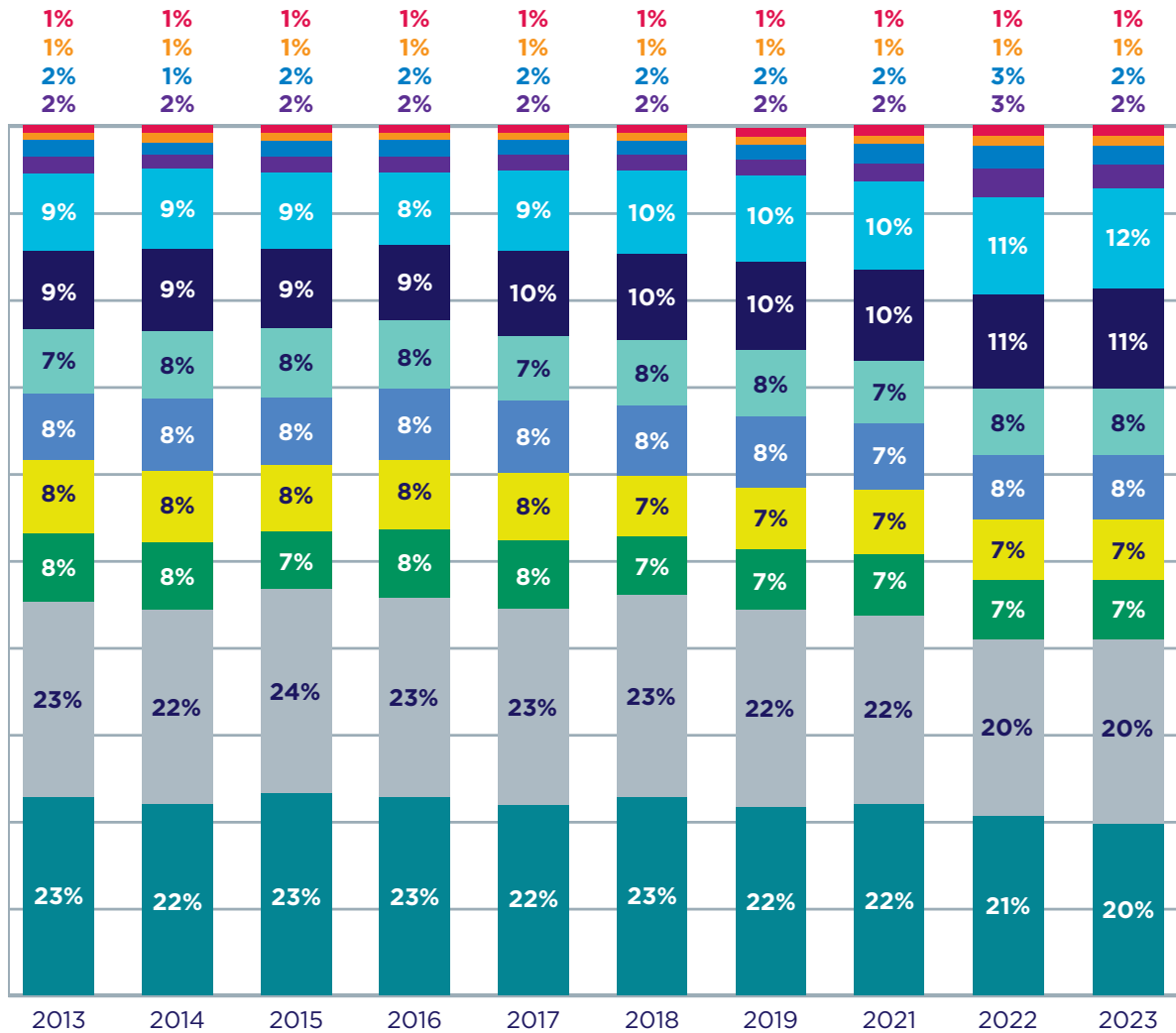
Table 5 below shows the national daily passenger journeys by direction and line since 2013. The period 2014-2018 saw a growth in patronage of 43%. The patronage stabilised in 2019 when there was a slight decrease (0.1%) in the total passenger numbers compared to 2018. During the Covid-19 pandemic, and associated travel restrictions, national patronage in 2021 decreased by 45% compared to 2019 before recovering by 62% in 2022. The 2023 rail census results showed a 12% average increase in daily patronage across all four rail lines. Increases on individual lines varied between 11% on the DART to 18% on the Connolly Commuter Westbound services. There was a reduction of 6% on passenger numbers on the Cork Commuter and Regional services in 2023 compared to 2022; this may be attributed to a major sporting event taking place on the day of the 2022 Census, which likely resulted in higher than usual passenger numbers on that day. It is also worth noting that overall passenger numbers were up slightly (0.2%) compared to the last pre-pandemic Census in 2019.

Chart 4, below, shows the proportional contribution each line of the rail network makes to daily national rail patronage. This Chart shows that these proportions have been relatively consistent over the last ten years. In 2023, as in previous years, the largest proportion came from the DART services which made up 40% of total passenger numbers on census day. This was followed by Heuston Commuter services (including Phoenix Park Tunnel services) which made up 23% of passenger journeys. East and Westbound services to Connolly and Docklands made up 16% while North and Southbound commuter routes to and from Connolly made up 14%.

**Table 5: Daily passenger journeys by direction and by line
(2014 - 2023)**

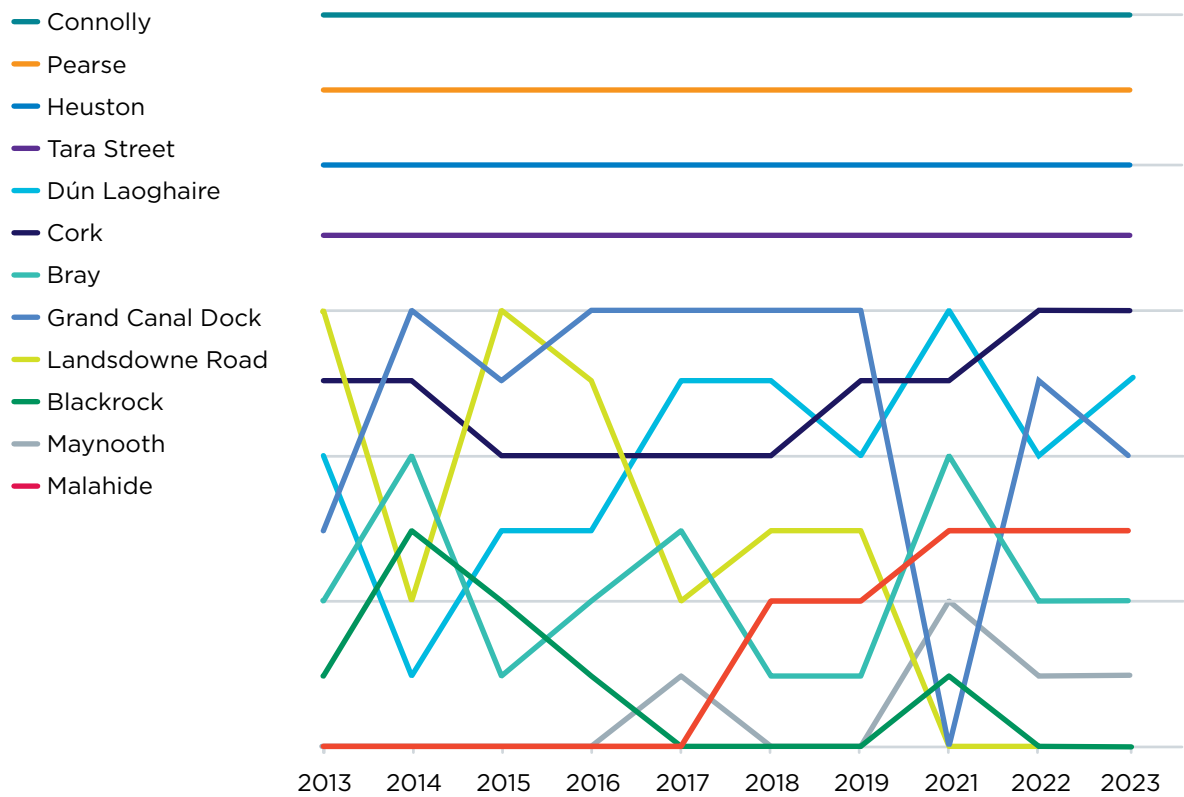
Line	2013	2014	2015	2016	2017	2018	2019	2021	2022	2023
DART Northbound	28,152	27,330	32,239	33,595	36,691	40,704	38,668	21,720	32,712	36,113
DART Southbound	27,769	27,673	32,666	33,528	37,974	41,201	40,021	21,146	32,031	35,783
Connolly Commuter - Northbound	9,600	9,663	9,143	11,480	13,056	11,998	12,595	6,928	10,878	12,098
Connolly Commuter - Southbound	10,392	10,427	10,467	11,808	13,049	12,431	13,244	7,255	11,036	12,370
Connolly Commuter - Eastbound	9,305	10,027	10,903	12,177	13,890	14,172	14,559	7,353	11,908	14,178
Connolly Commuter - Westbound	9,160	9,786	11,097	11,228	12,493	13,685	13,565	7,178	11,942	13,837
Heuston Commuter - North & Eastbound	11,167	11,773	12,538	12,891	16,476	17,553	17,984	10,238	17,276	20,431
Heuston Commuter - South & Westbound	10,902	11,492	12,255	12,161	15,514	17,147	17,554	9,885	17,929	20,578
Cork Regional - Northbound/ Cork Commuter Inbound	2,620	1,968	2,448	2,803	2,974	3,111	3,362	2,073	4,997	4,254
Cork Regional - Southbound/ Cork Commuter Outbound	2,447	1,774	2,442	2,788	2,920	2,864	3,162	2,044	4,038	4,173
Regional Northbound	803	1,313	1,274	1,190	1,368	1,655	1,460	1,001	2,039	2,288
Regional Southbound	1,095	1,115	1,229	1,299	1,462	1,537	1,730	1,272	1,865	2,159
Total	123,412	124,341	138,701	146,948	167,867	178,058	177,904	98,093	158,651	178,262

Chart 4: Percentage Composition of daily national rail patronage (2013 - 2023)



- DART Northbound
- DART Southbound
- Connolly Commuter - Northbound
- Connolly Commuter - Southbound
- Connolly Commuter - Eastbound
- Connolly Commuter - Westbound
- Heuston Commuter - North & Eastbound
- Heuston Commuter - South & Westbound
- Cork Regional - Northbound/ Cork Commuter Inbound
- Cork Regional - Southbound/ Cork Commuter Outbound
- Regional Northbound
- Regional Southbound

Chart 6: Top-10 stations by number of Alightings (2013-2023)

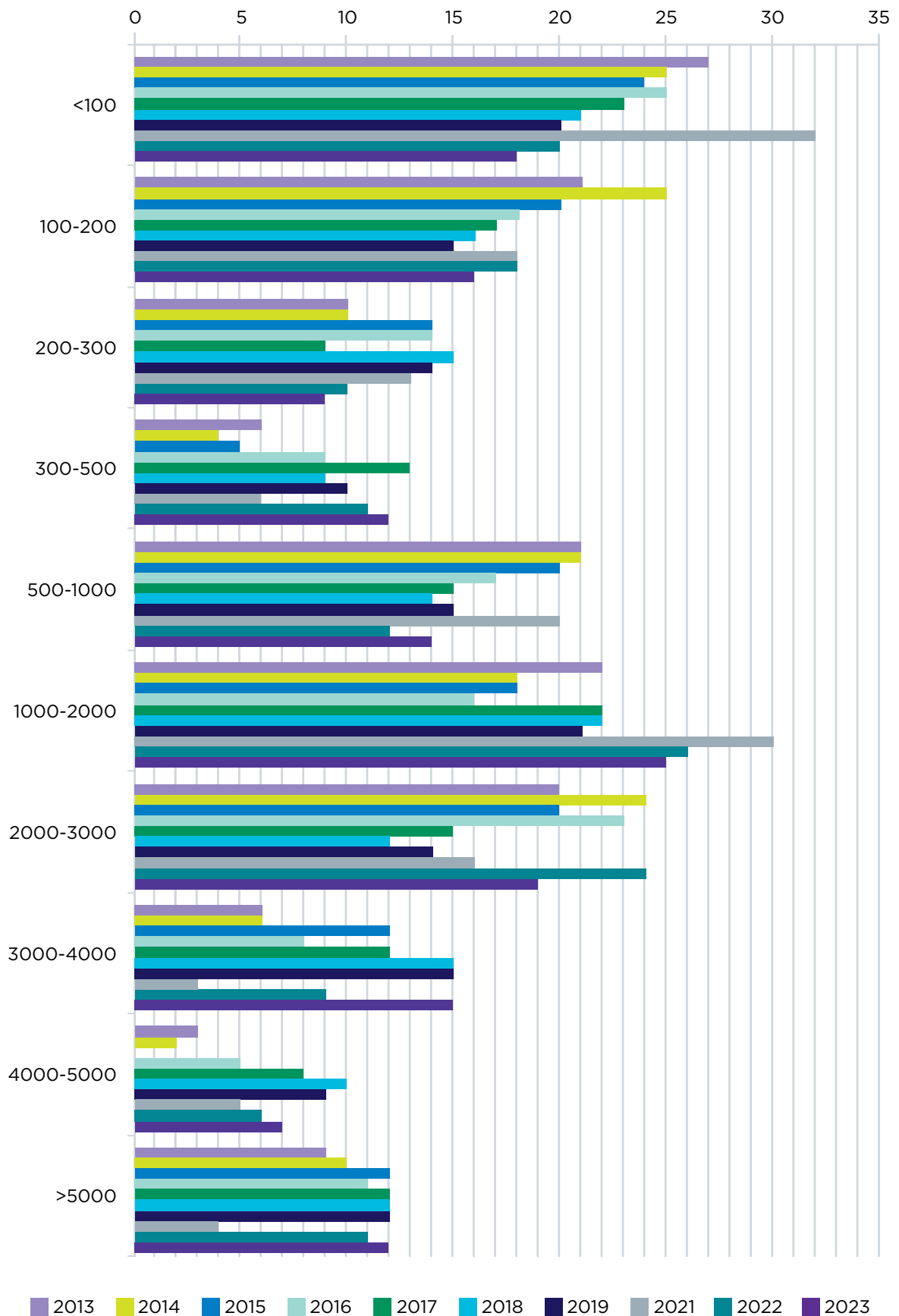


Variation in Station Usage

Chart 7 shows the variation in station usage across the rail network from 2013 to 2023. The number of daily journeys is the sum of the number of boardings and alightings at each station.

In 2023 an increase in station usage was recorded compared to the previous year. Similar to 2022, the number of stations that fell into lower usage categories fell while the number in higher usage categories rose. There has been a decrease in the number of stations with a daily throughput of 300 or fewer in the last year from 48 to 43. In addition, 26 stations had a throughput of 300-1000 compared to 23 stations in 2022. At the opposite end, 12 stations generated in excess of 5,000 journeys on a typical day in 2023, up one from 2022. There has been a small variation in the bands in 2023, with 78 stations on the network experiencing more than 1,000 journeys per day, compared to 76 in 2022. The number of stations generating in excess of 3,000 journeys increased to 34 in 2023 from 26 in 2022.

Chart 7: Variations in Station Usage (2013-2023)



Trend in the Greater Dublin Area (GDA)

Historical trends in the GDA are presented across the following sections of the network:

- DART line;
- Longford – Dublin – Bray (Gorey) line;
- Dundalk – Bray line
- Dublin – Kildare line.

Table 6 shows daily rail journeys in the GDA since 2003, defined as the number of boardings only. In 2023, the GDA patronage increased to 144,513, which is 15% higher than 2022 levels. Since 2022, patronage on the Dundalk-Arklow line, the Longford-Dublin-Bray line and the Kildare line have increased by 13%, 23% and 20% respectively. The Phoenix Park Tunnel services also experienced a rise in patronage, increasing by 24%.

Table 6: Daily passenger journeys by network section (2003 – 2023)

Year	DART	Dundalk Arklow	Longford Dublin Bray	Dublin Kildare	Total
2003	68,152	19,446	11,642	8,246	107,486
2004	64,435	20,419	13,614	9,219	107,687
2006	81,560	23,305	21,966	11,349	138,180
2007	83,618	24,624	23,836	11,722	143,800
2008	75,753	22,191	22,678	11,145	131,767
2009	63,559	18,037	19,992	9,760	111,348
2010	55,929	17,446	18,770	9,042	101,187
2011	55,629	17,611	18,531	9,455	101,226
2012	56,835	17,895	17,915	8,490	101,135
2013	55,921	17,801	17,100	9,283	102,101
2014	55,003	18,780	19,097	11,371	104,251
2015	64,905	20,430	22,000	12,003	119,338
2016	67,123	21,782	22,432	12,278	123,615
2017	74,665	24,424	25,434	16,063 ¹⁰	140,586
2018	81,905	22,899	26,868	19,965 ¹¹	151,637
2019	78,689	23,998	26,238	21,747 ¹²	150,672
2021	42,866	13,328	12,787	10,764 ¹³	79,745
2022	64,743	20,345	20,890	19,881 ¹⁴	125,859
2023	71,896	22,910	25,721	23,896 ¹⁵	144,513

¹⁰ Includes 3,161 daily boardings on Phoenix Park Tunnel services.

¹¹ Includes 3,887 daily boardings on Phoenix Park Tunnel services.

¹² Includes 4,834 daily boardings on Phoenix Park Tunnel services.

¹³ Includes 2,026 daily boardings on Phoenix Park Tunnel services.

¹⁴ Includes 4,423 daily boardings on Phoenix Park Tunnel services.

¹⁵ Includes 5,489 daily boardings on Phoenix Park Tunnel services.

Chart 8 and Chart 9 show the proportional contribution that each section of the rail network makes to daily rail patronage within the GDA in absolute numbers and percentages respectively. The proportion of rail journeys taken on DART have steadily declined from 63% in 2003 to 50% in 2023. Conversely, the Kildare line has steadily increased in proportional terms growing from 8% in 2003 to 18% in 2023. The proportional contribution of the Dundalk-Arklow line has remained relatively stable. The proportional contribution of the Maynooth (Longford - Bray) line increased from 11% to 18% between 2003 and 2009 and has been stable since then.

Overall, rail passenger numbers in the GDA and nationally continued to increase from the relatively low level observed in 2021, which was caused by Covid-19 related travel restrictions.

Chart 8: Composition of daily rail patronage in GDA (2003 - 2023)

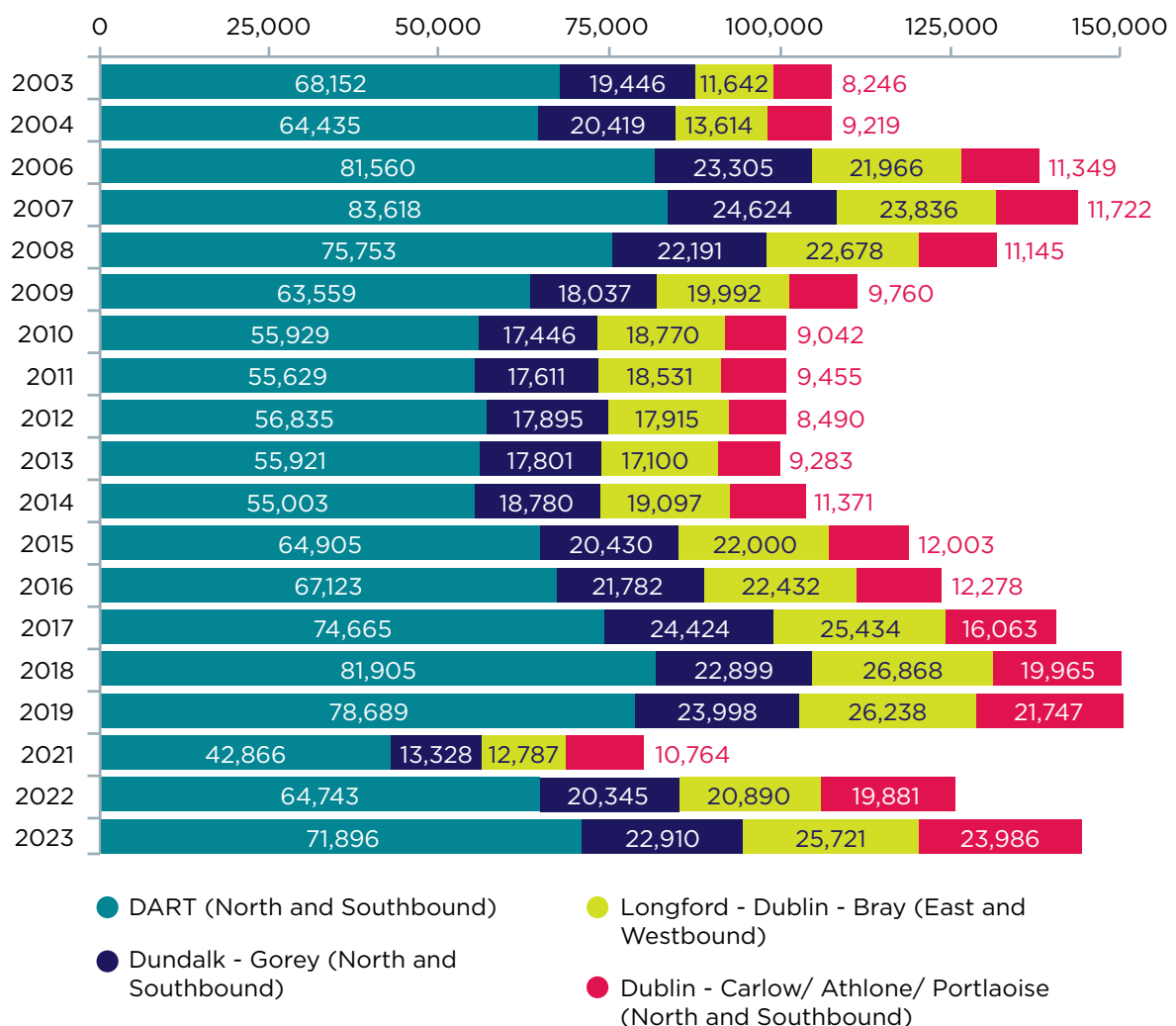
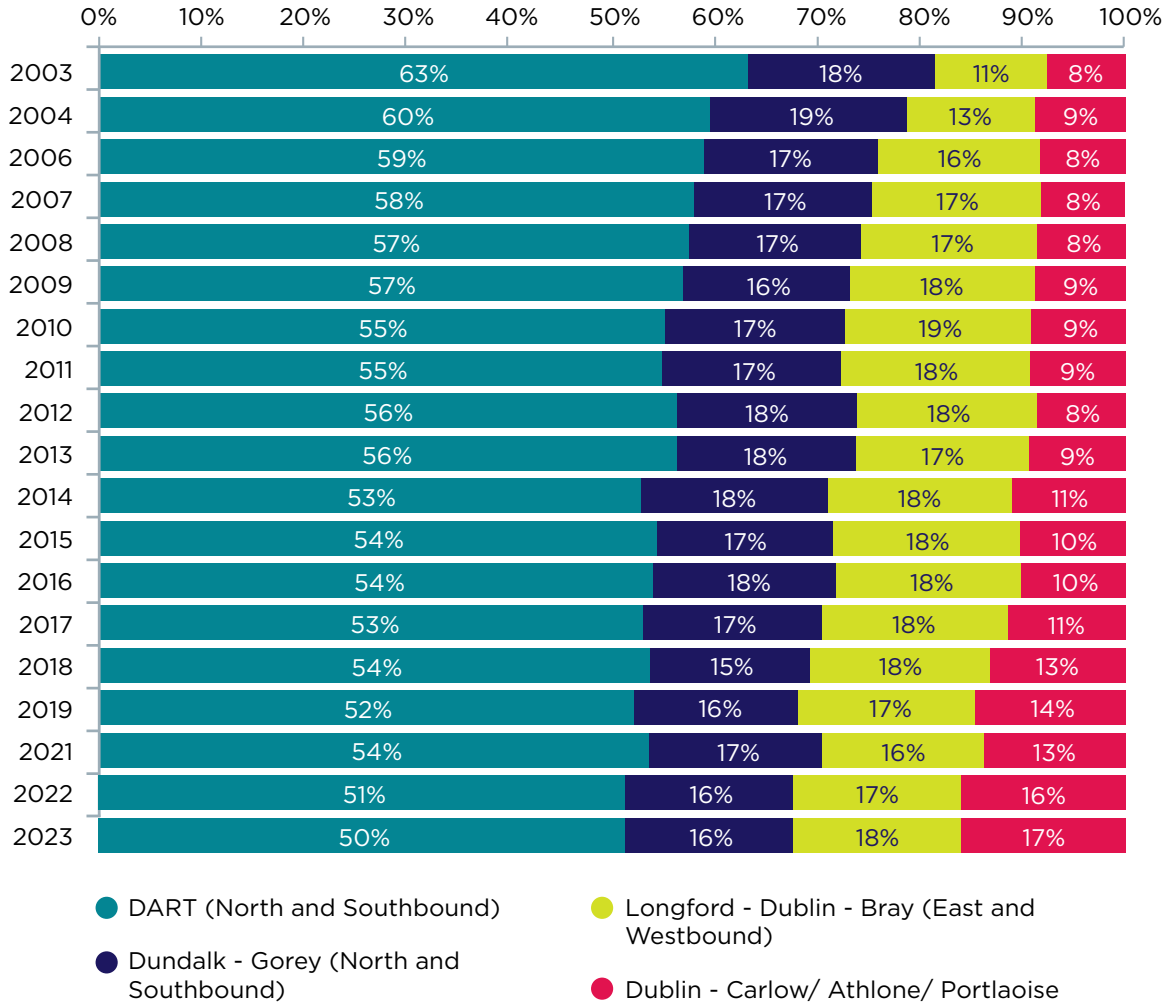


Chart 9: Percentage Composition of daily rail patronage in GDA (2003 - 2023)



6 Rail Patronage

National and Greater Dublin Area

The 2023 total patronage on the rail network on Census day was 144,513. Total patronage was up by 12% compared to 2022. Table 7 shows the total rail patronage both within and outside the GDA, along with the relative change since 2022. Of the total number of rail journeys undertaken in 2023, 81% were within the GDA. This ratio is slightly higher than that of 2022 where 79% of journeys were within the GDA.

Table 7: Rail Patronage in 2023 (GDA and Outside GDA)

GDA Patronage	% Change (2022-2023)	Outside GDA Patronage	% Change (2022-2023)
144,513	15%	33,749	3%

Rail Usage according to Service Categories

Table 8 shows the total number of journeys taken on the National Irish Rail network on the day of the Census in 2023 according to service category. There was an overall increase in journeys of 15% compared to 2022. All service categories saw an increase in patronage compared to 2022 with the exception of Cork Commuter Services, which saw a decrease. It should be noted, however, that a major sporting event took place in Cork City on census day 2022, this likely resulted in higher than normal passenger numbers.

Table 8: Journeys taken by service category

Service Category	Passenger Journeys	% Change (2022-2023)
DART	71,896	11%
Commuter Services	55,802	19%
InterCity Services	37,690	11%
Cork Commuter and Regional Services	8,427	-7%
Regional Services	4,447	14%
Total	178,262	12%

Rail Usage on Individual Lines

Table 9 shows the number of journeys on each of the lines on Census day 2023 and the percentage change relative to 2022 data.

Table 9: Journeys by direction and by line in 2023

Line	Route	Journeys	% Change (2022-2023)
DART Northbound	Greystones/Bray - Howth/ Malahide	36,113	10%
DART Southbound	Malahide/Howth - Greystones/ Bray	35,783	12%
Connolly Northbound	Rosslare - Dundalk/Belfast	12,098	11%
Connolly Southbound	Dundalk/Belfast - Rosslare	12,370	12%
Connolly Eastbound	Sligo - Longford - Bray	14,178	19%
Connolly Westbound	Bray - Longford - Sligo	13,837	16%
Heuston North & Eastbound ¹⁶	Kildare/Newbridge/Athlone/ Carlow/Portlaoise/Cork/ Limerick/Galway/Westport/ Waterford/Tralee - Heuston	20,431	18%
Heuston South & Westbound ¹⁷	Heuston - Kildare/Newbridge/ Athlone/Carlow/Portlaoise/ Cork/Limerick/Galway/ Westport/Waterford/Tralee	20,578	15%
Cork Commuter and Regional Inbound	Cobh/Midleton - Cork / Tralee/Mallow - Cork	4,254	-15%
Cork Commuter and Regional Outbound	Cork - Cobh/Midleton / Cork - Mallow/Tralee	4,173	3%
Regional Northbound	Limerick - Galway/ Ballybrophy/Limerick Junction & Waterford - Limerick Junction	2,288	12%
Regional Southbound	Galway/Ballybrophy/Limerick Junction - Limerick & Limerick Junction to Waterford	2,159	16%

¹⁶ Includes Ballina to Manulla Junction and Galway to Athlone services as well as Phoenix Park Tunnel services.

¹⁷ Includes Manulla Junction to Ballina and Athlone to Westport/Galway services as well as Phoenix Park Tunnel services.

The following sections will discuss the rail patronage by line using three indicators:

- Total daily patronage; the total number of trips on census day
- Hourly Profile of Demand: variations in demand throughout the day; and
- Profile of Demand by Station: the daily build-up of passengers along the line. The change in the cumulative number of passengers at each station is the net impact of the number of passengers alighting and boarding trains.

DART

Daily Patronage

Services Included: **Malahide / Howth - Bray / Greystones**

The number of total daily journeys on the DART line in 2023 was 71,896, up by 11% compared to 2022. In 2023, 40% of all rail journeys nationally were on DART services and half (50%) of all boardings in the GDA were on DART services.

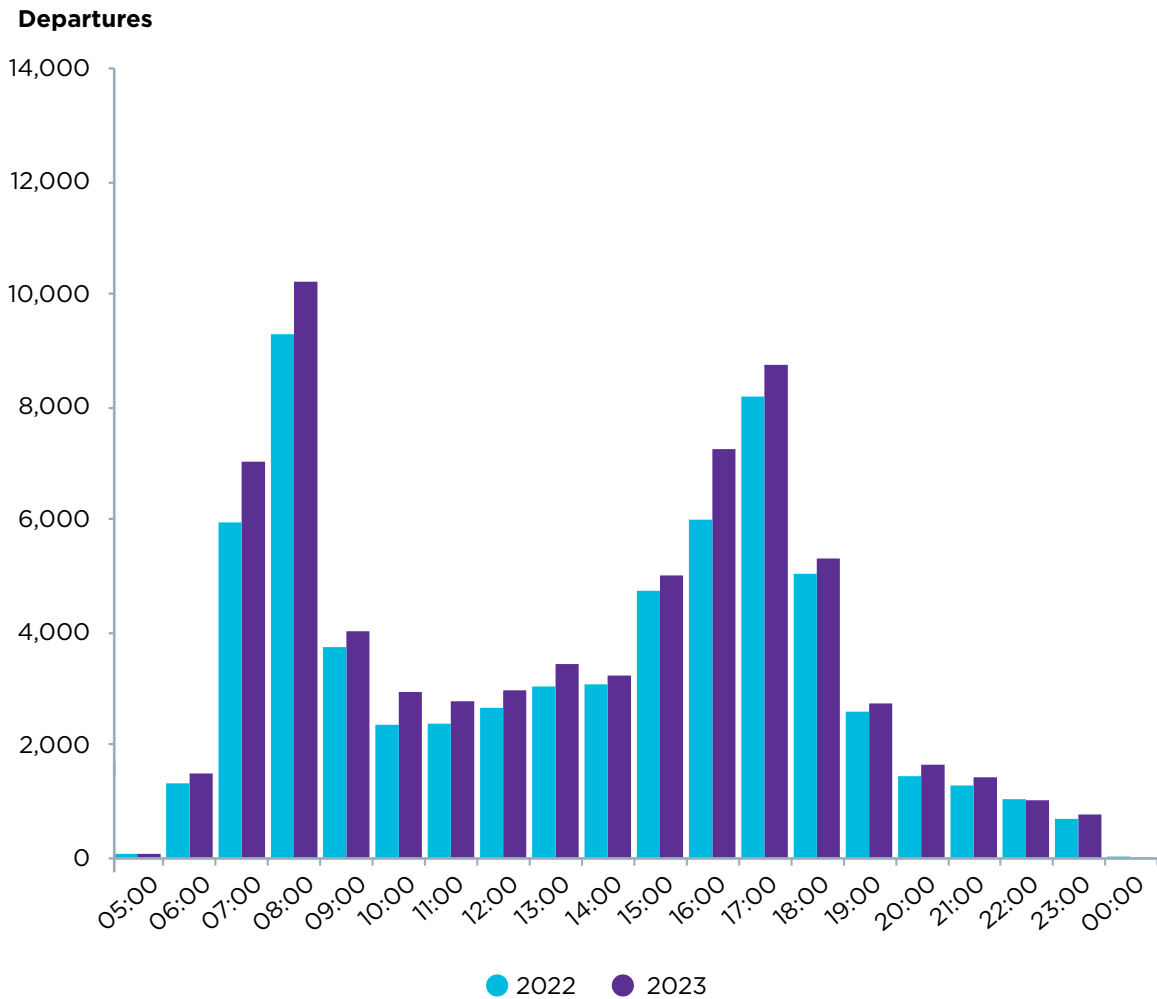
Table 10: Total daily patronage on DART lines

Line	2022	2023	% Change (2022-2023)
DART Northbound	32,712	36,113	10%
DART Southbound	32,031	35,783	12%
Total	64,743	71,896	11%

Hourly Profile of Demand

Chart 10 shows variations in demand throughout the day on the DART line in 2022 and 2023. This is based on passenger boarding numbers (total boardings across all DART stations) and illustrates that the passenger numbers increased during morning peak (7:00-9:00) and evening peak (16:00-18:00) hours compared to 2022.

Chart 10: Hourly profile of demand on DART (2022 and 2023)



Profile of Demand by Station

Chart 11 shows the daily demand profile (daily total of people on board the DART as it departs each station) along the route of the DART Northbound line from Greystones to Howth Junction, where the train then splits into the Howth and Malahide branches. Chart 12 shows the profile of demand in the southbound direction, which -as would be expected- mirrored the northbound profile.

Chart 11: Profile of Demand by Station - DART Northbound (2022 and 2023)

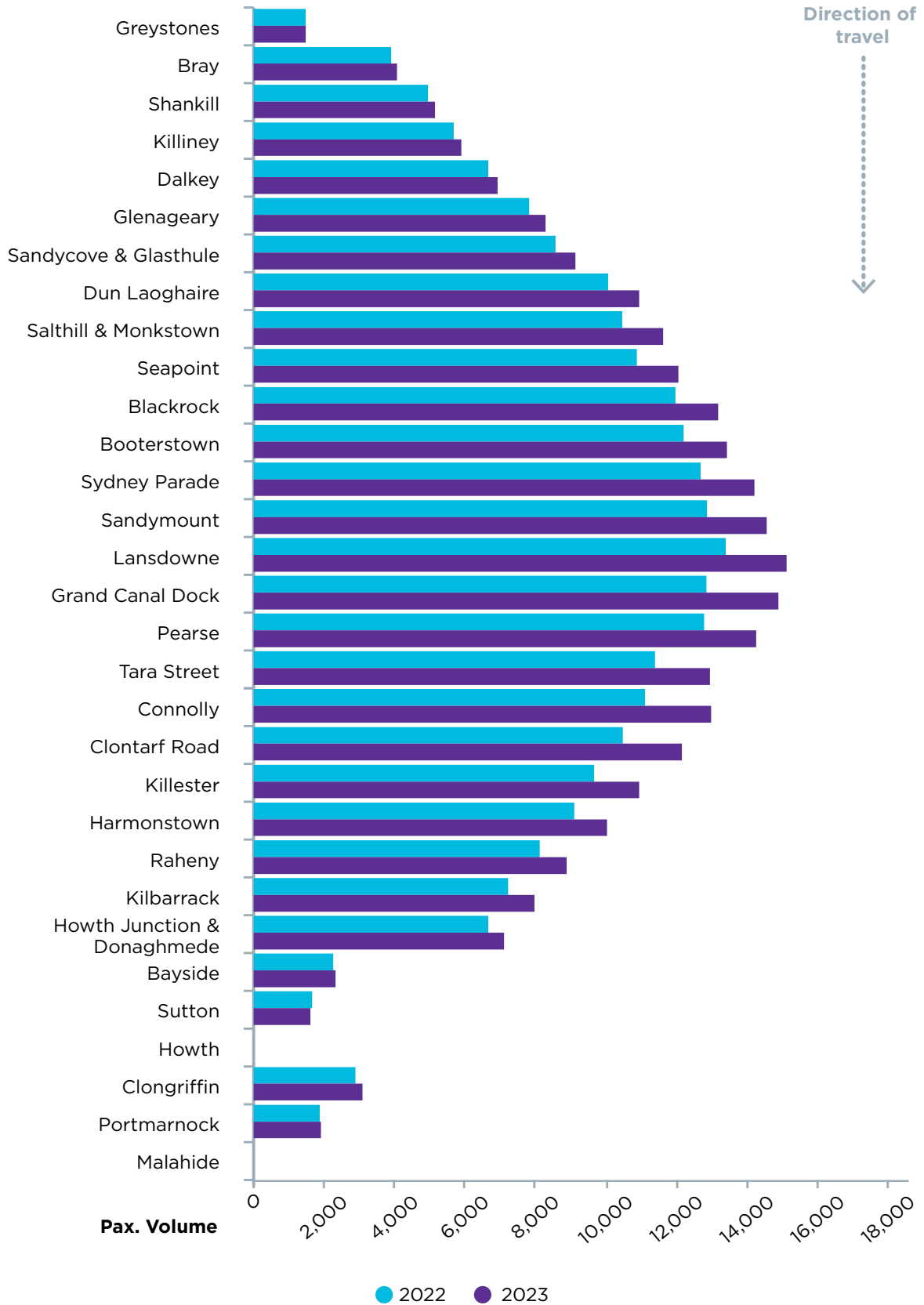
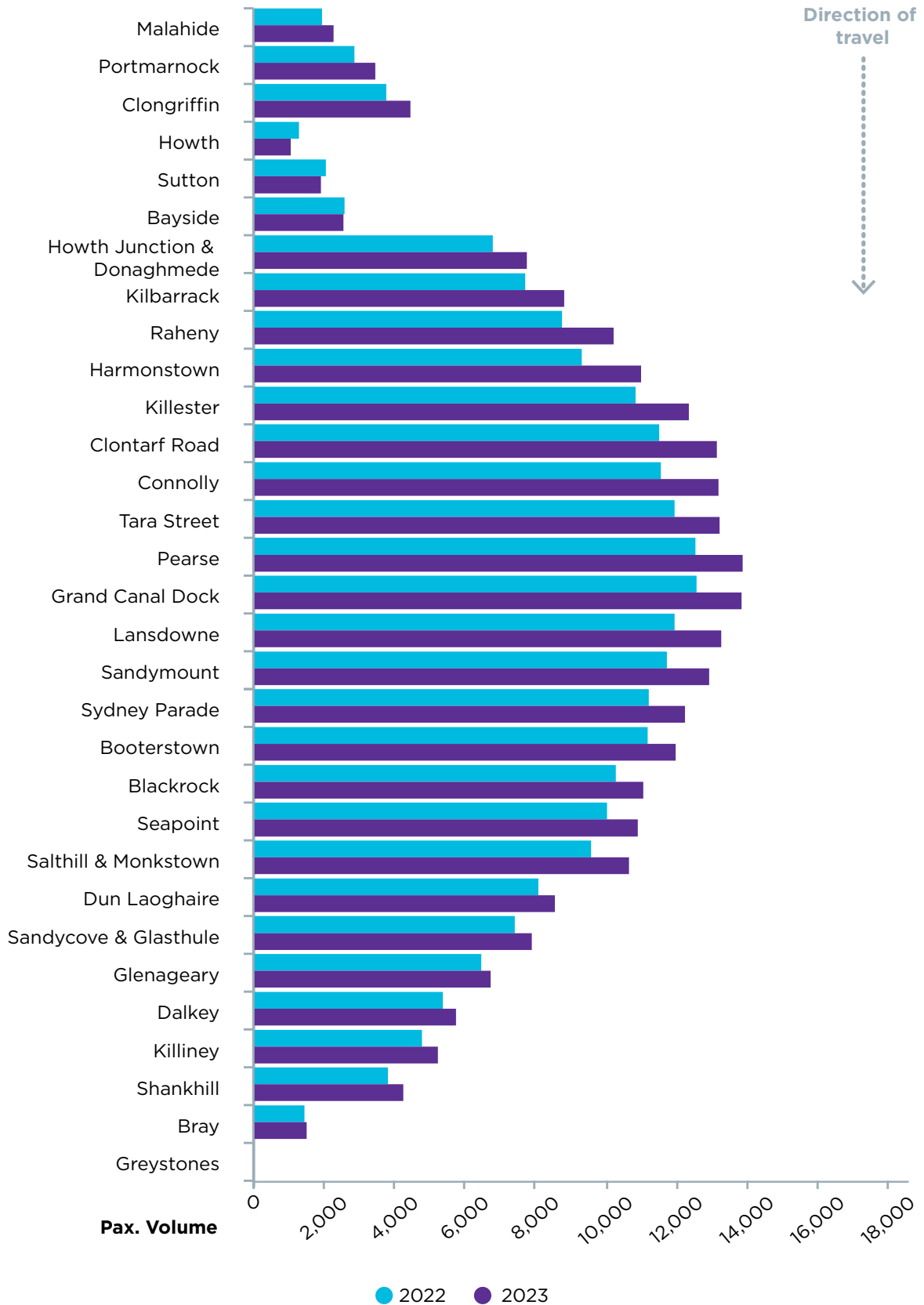


Chart 12: Profile of Demand by Station - DART Southbound (2022 and 2023)



Connolly Northbound/Southbound

Daily Patronage

Intercity Services Included:

- **Dublin – Rosslare / Wexford Commuter: Dublin – Gorey**
- **Dublin – Belfast Commuter: Dublin – Dundalk / Drogheda**

The number of total daily journeys on the Connolly Northbound/Southbound line in 2023 was 24,468, up by 12% on 2022 levels.

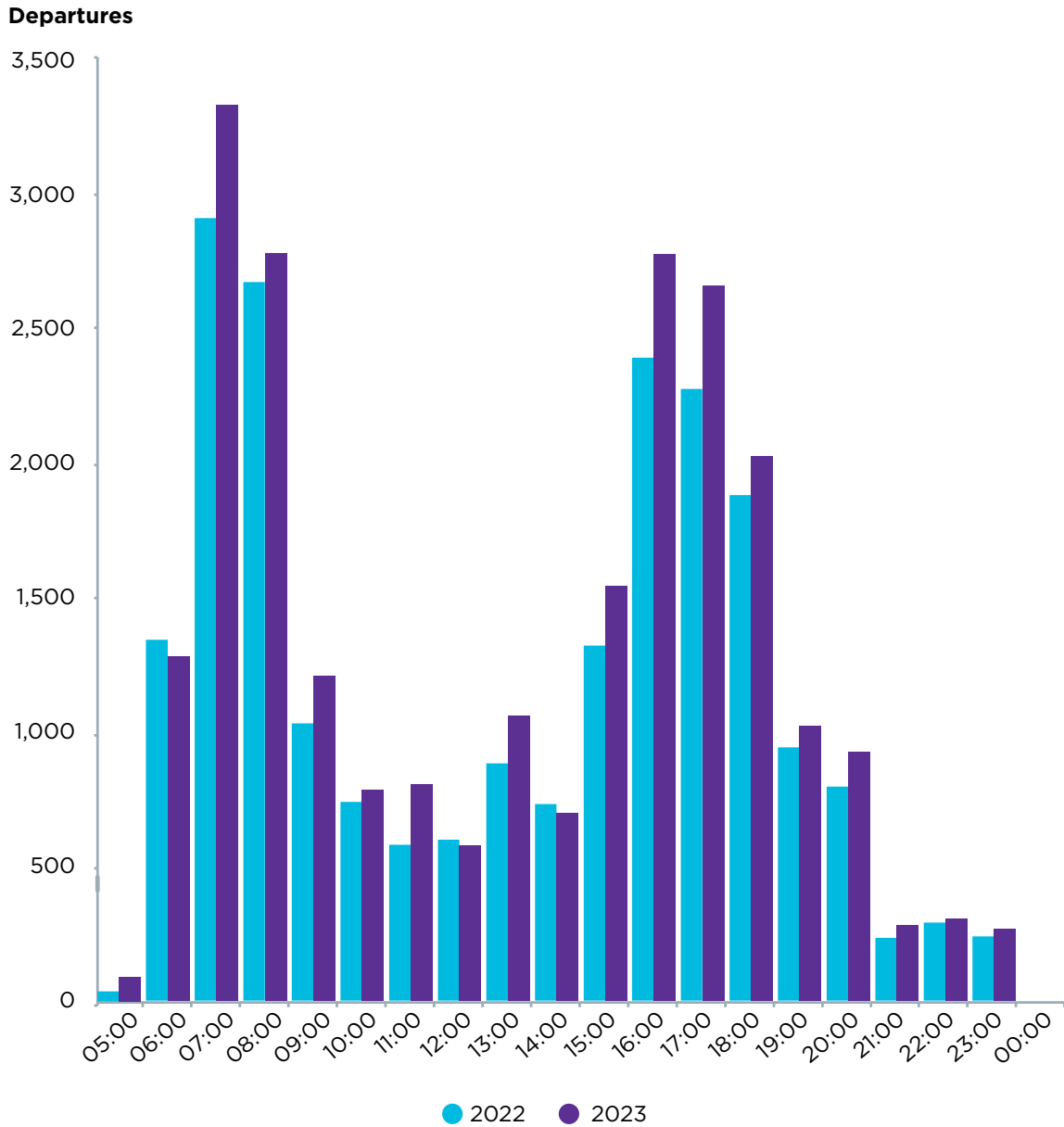
Table 11: Daily patronage on Connolly Northbound/Southbound lines

Line	2022	2023	% Change (2022-2023)
Connolly Northbound	10,878	12,098	11%
Connolly Southbound	11,036	12,370	12%
Total	21,914	24,468	12%

Hourly Profile of Demand

Chart 13 shows variations in demand throughout the day on the Connolly Northbound/Southbound line in 2022 and 2023. As with DART, the passenger numbers increased during morning peak (7:00-9:00) and evening peak hours (16:00-18:00) compared to 2022.

Chart 13: Hourly profile of demand, Connolly Northbound/Southbound (2022 and 2023)



Profile of Demand by Station

Chart 14 and Chart 15 show the demand profile of patronage on the Connolly Northbound/Southbound section of the network that includes the Enterprise service between Dublin and Belfast.

Chart 14: Profile of Demand by Station, Connolly Northbound (2022 and 2023)

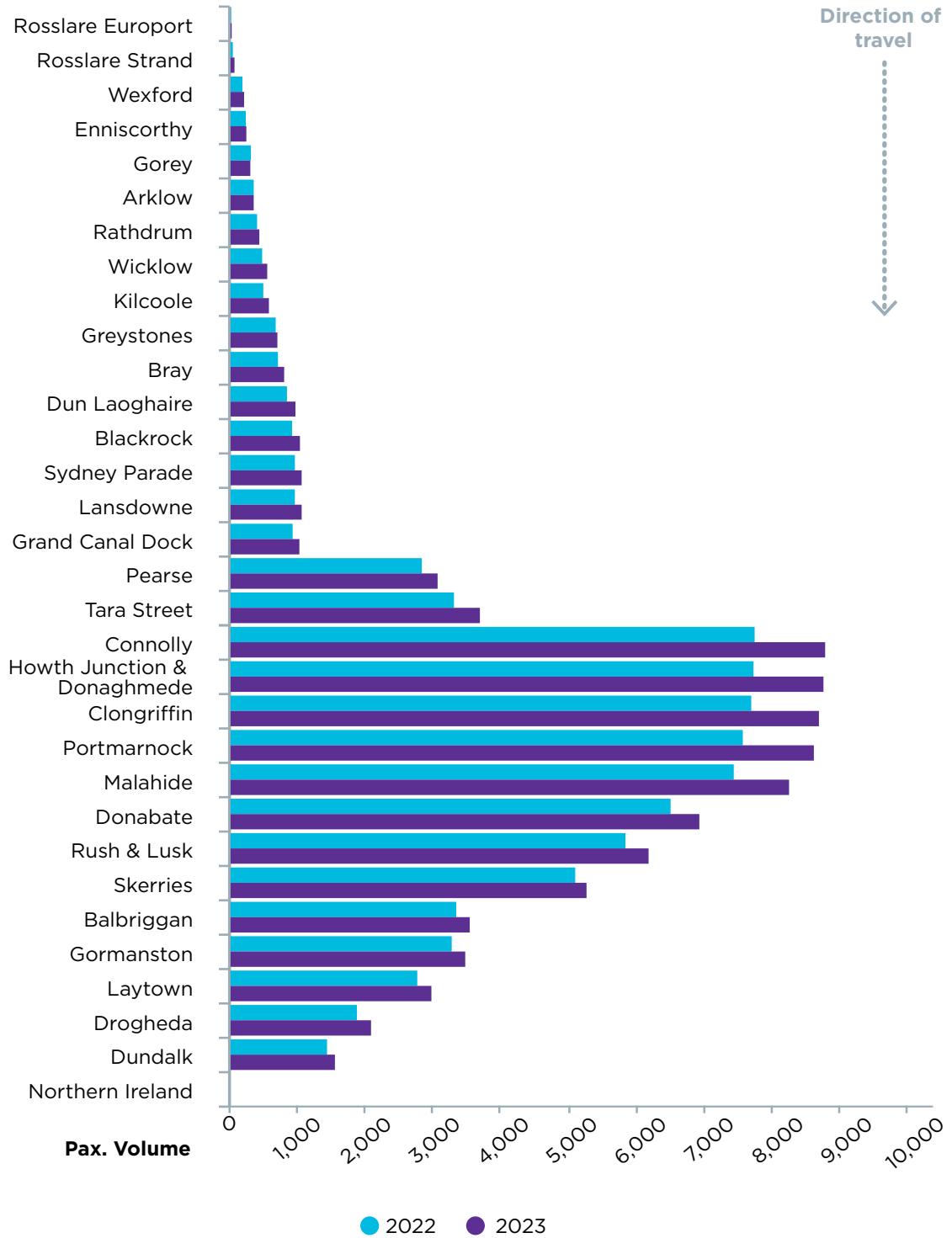
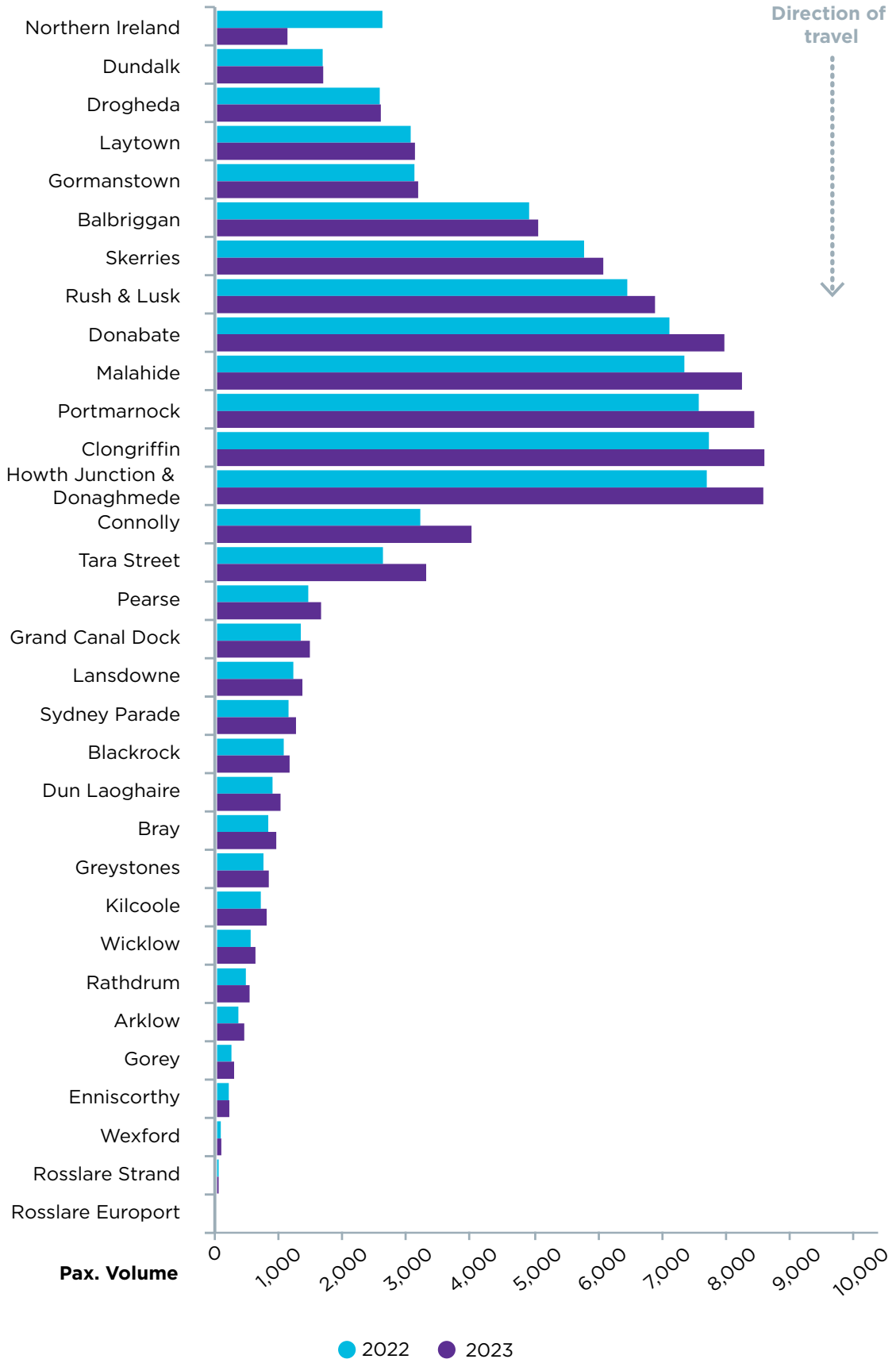


Chart 15: Profile of Demand by Station, Connolly Southbound (2022 and 2023)



Dublin – Belfast (Enterprise)

Daily Patronage

Intercity Services Included: **Dublin – Belfast**

The Rail Census captures the total number of passengers on Enterprise services operating between Northern Ireland and the Republic of Ireland. There was an increase in Enterprise service patronage of approximately 9% between 2022 and 2023. Table 12 shows the total boardings on Enterprise services on census day in 2022 and 2023.

Although the Enterprise service operates between Dublin and Belfast, 2,613 (63%) of all Enterprise trips crossed the border on census day 2023 compared to 2,707 (70%) in 2022¹⁸. There has been an 8% increase in trips crossing the border northbound, which equates to 118 daily journeys. Meanwhile there has been a 16% decrease in journeys southbound from Northern Ireland (212 daily journeys). Overall, there was a 3% decrease in cross border trips between 2022 and 2023. Table 13 shows the total cross border trips on Census day 2022 and 2023.

Table 12: Total Patronage on the Enterprise Service

Enterprise Services	2022	2023	% Change (2022-2023)
Northbound	2,025	2,430	20%
Southbound	1,750	1,703	-3%
Total	3,775	4,133	9%

Table 13: Total Cross Border Patronage on the Enterprise Service

Enterprise Services	2022	2023	% Change (2022-2023)
Northbound	1,417	1,535	8%
Southbound	1,290	1,078	-16%
Total	2,707	2,613	-3%

¹⁸ Cross border trips are defined as:
 Northbound – total alightings at Belfast; and
 Southbound – total boardings at Connolly (no stop in Northern Ireland).

Connolly Eastbound/Westbound

Daily Patronage

Services Included:

- InterCity: **Dublin - Sligo**
- Commuter: **Dublin - Maynooth/Longford**
- Commuter: **Dublin - M3 Parkway**
- Commuter: **Bray - Dublin (excluding DART)**
- Commuter: **Bray - Maynooth**

The number of total daily journeys on the Connolly Eastbound/Westbound line in 2023 was 28,015, up by 17% on 2022 levels.

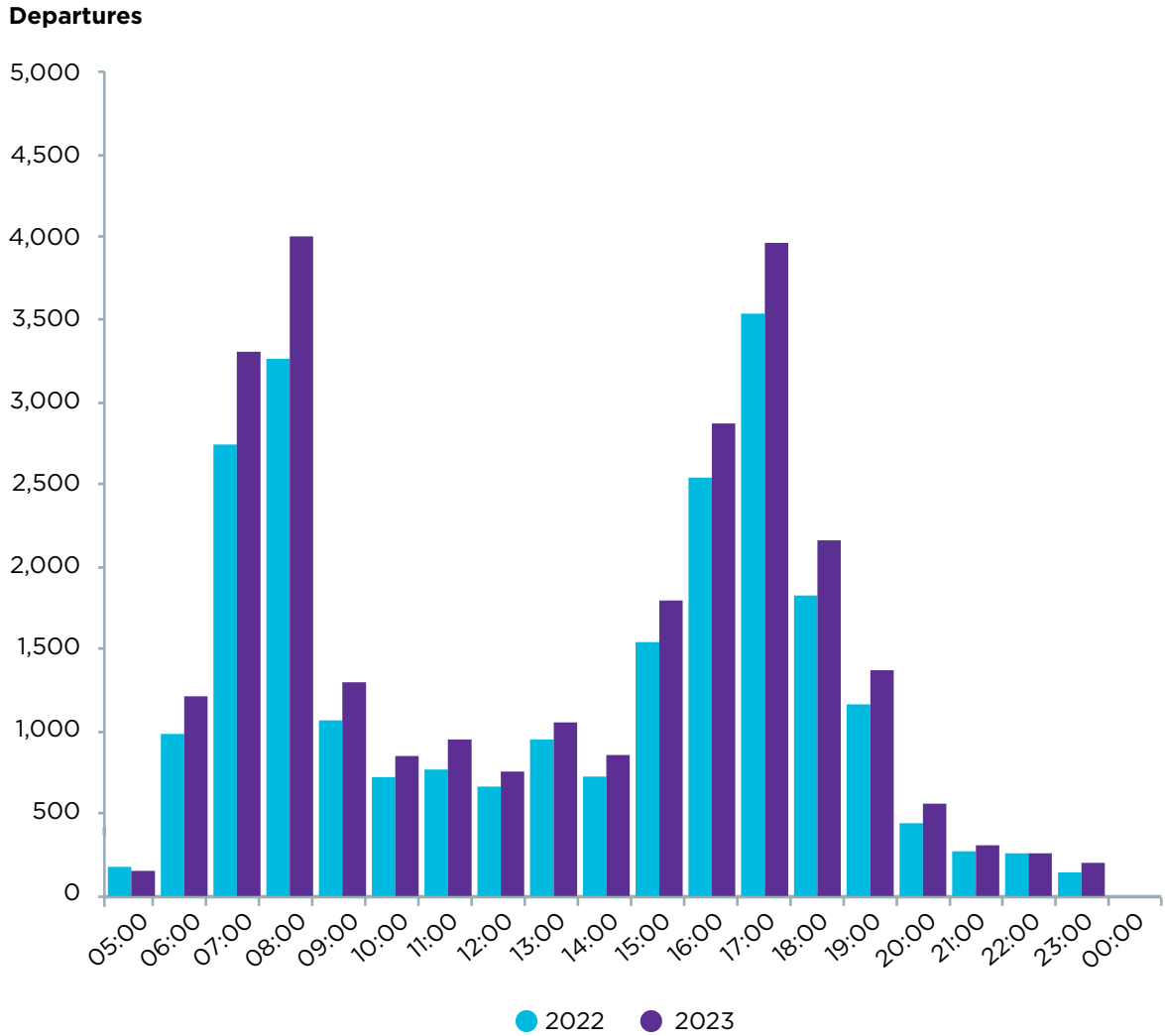
Table 14: Total daily patronage on Connolly Eastbound/Westbound lines

Line	2022	2023	% Change (2022-2023)
Connolly Eastbound	11,908	14,178	19%
Connolly Westbound	11,942	13,837	16%
Total	23,850	28,015	17%

Hourly Profile of Demand

Chart 16 shows variations in demand throughout the day on the Eastbound/Westbound services in and out of Connolly in 2022 and 2023. This is based on passenger boarding numbers and shows that the passenger numbers increased significantly during morning peak (7:00-9:00) and evening peak hours (16:00-18:00) compared to 2022.

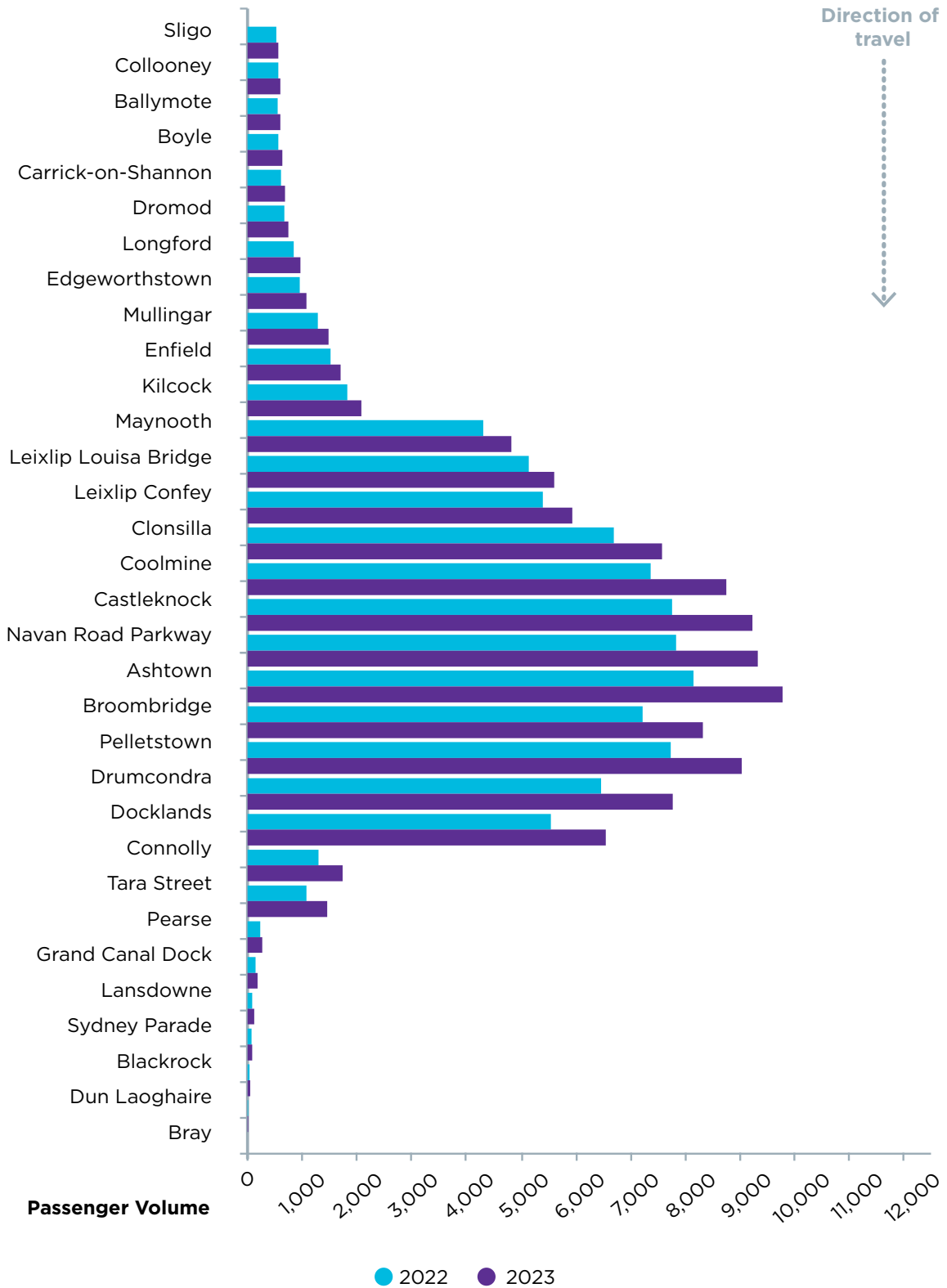
Chart 16: Hourly Profile of Demand, Connolly Eastbound/Westbound (2022 and 2023)



Profile of Demand by Station

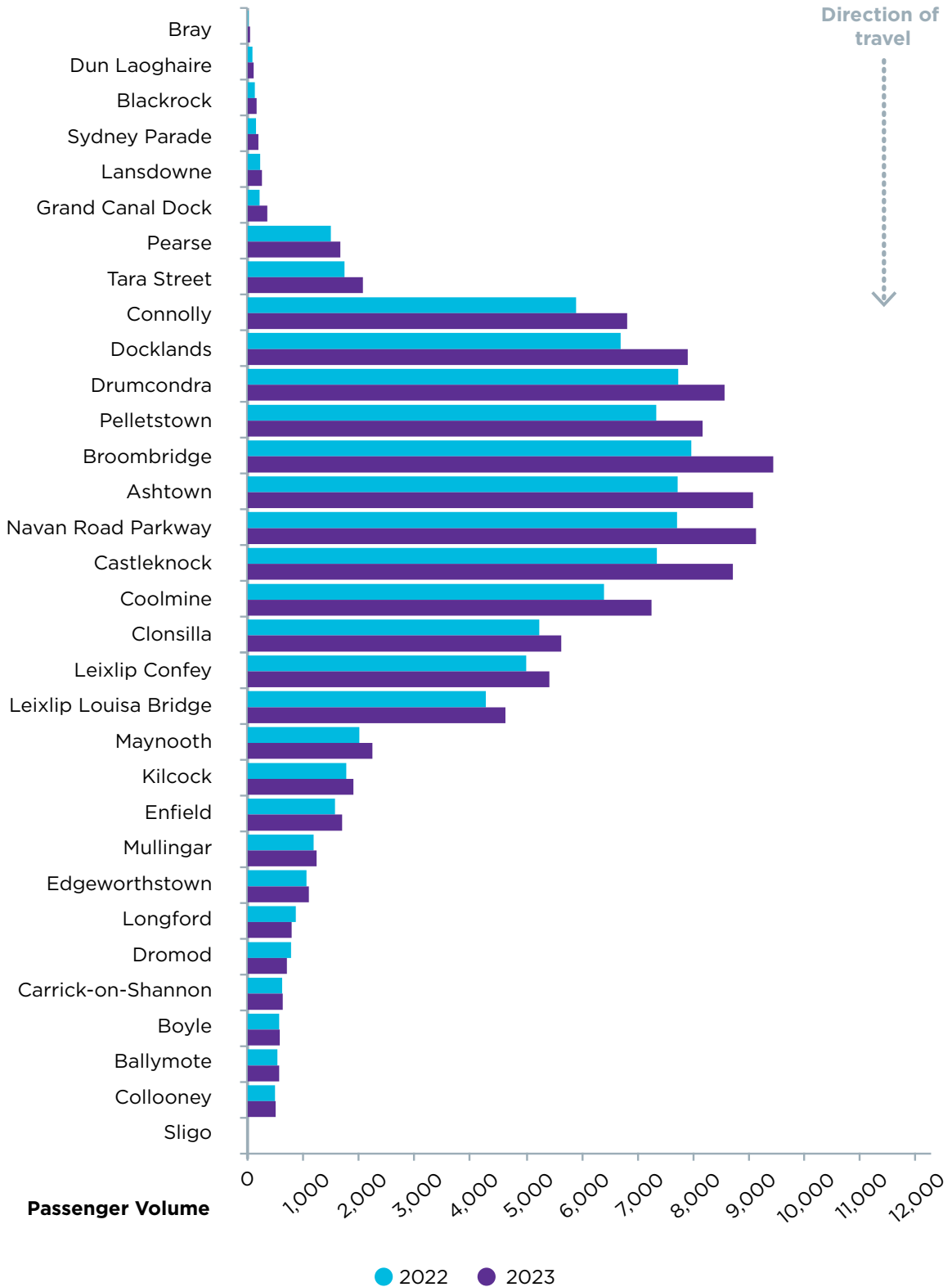
Chart 17 and Chart 18 show the demand profile of patronage on the Connolly Eastbound/Westbound line in 2022 and 2023.

Chart 17: Profile of Demand by Station, Connolly Eastbound (2022 and 2023¹⁹)



¹⁹ Dunboyne spur' Patronage (M3 Parkway - Dunboyne - Hansfield) represented at Clonsilla.

Chart 18: Profile of Demand by Station, Connolly Westbound (2022 and 2023)



Heuston Commuter Services

Daily Patronage

Commuter Services Included:

Dublin Grand Canal Dock/Heuston – Hazelhatch & Celbridge, Kildare, Newbridge, Portlaoise & Portarlington.

The number of total daily journeys on the Heuston Commuter Services in 2023 was 14,220, an increase of 25% on 2022 levels.

Table 15: Total daily patronage on Heuston Commuter

Line	2022	2023	% Change (2022-2023)
Heuston South & Westbound	5,706	7,042	23%
Heuston North & Eastbound	5,650	7,178	27%
Total	11,356	14,220	25%

In December 2016, Iarnród Éireann reintroduced passenger services via Dublin's Phoenix Park Tunnel. Table 16 below presents a comparison of patronage on these particular services in 2022 and 2023, where there was a 24% increase in passenger numbers.

Table 16: Total daily patronage on Commuter Services to & from Grand Canal Dock via Phoenix Park Tunnel

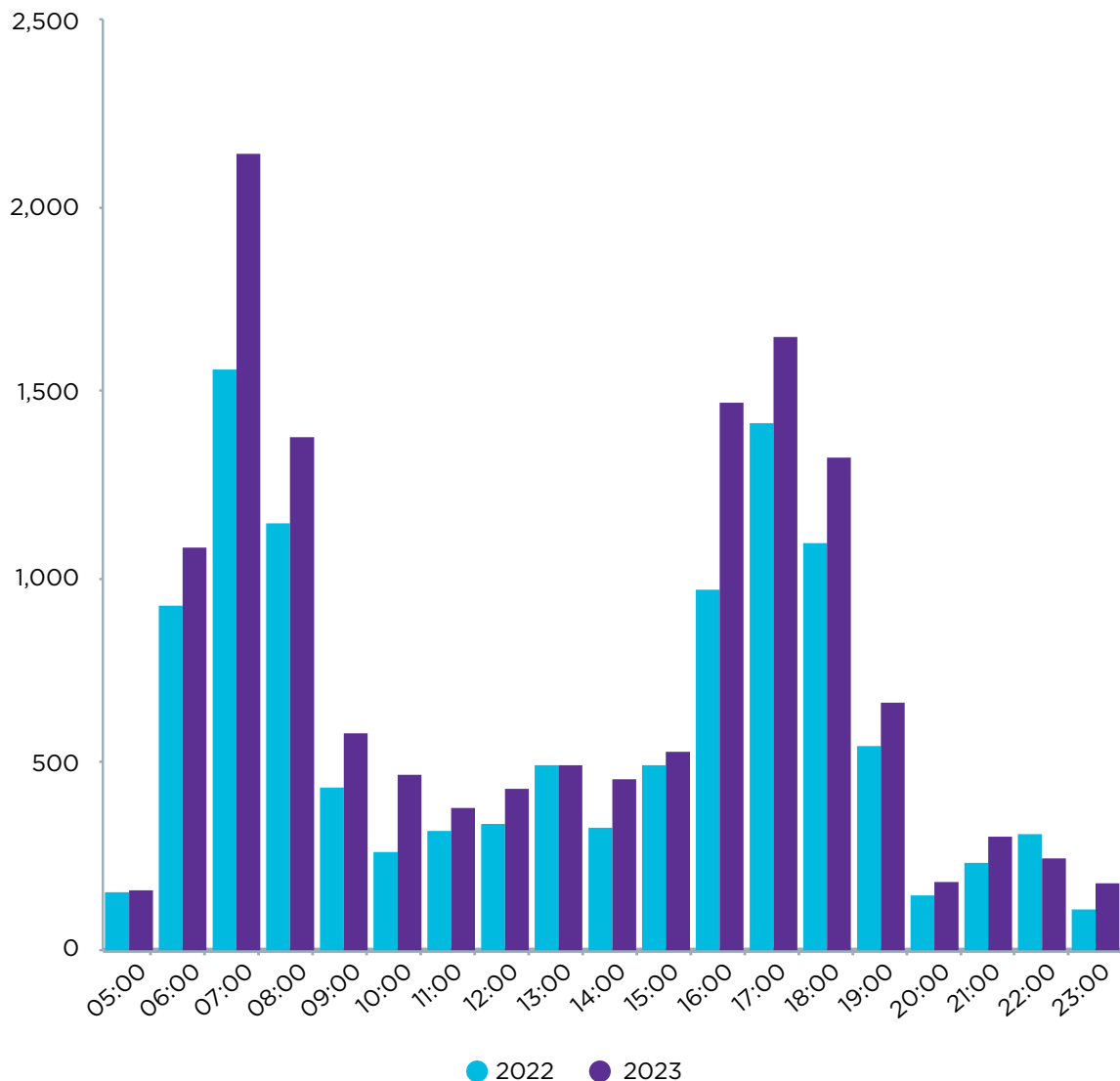
Line	2022	2023	% Change (2022-2023)
From Grand Canal Dock	2,398	2,915	22%
To Grand Canal Dock	2,025	2,574	27%
Total	4,423	5,489	24%

Hourly Profile of Demand

Chart 19 shows variations in demand throughout the day on Heuston Commuter services in 2022 and 2023, based on total passenger boarding numbers at each station on the service.

Chart 19: Hourly Profile of Demand, Heuston Commuter (2022 and 2023)

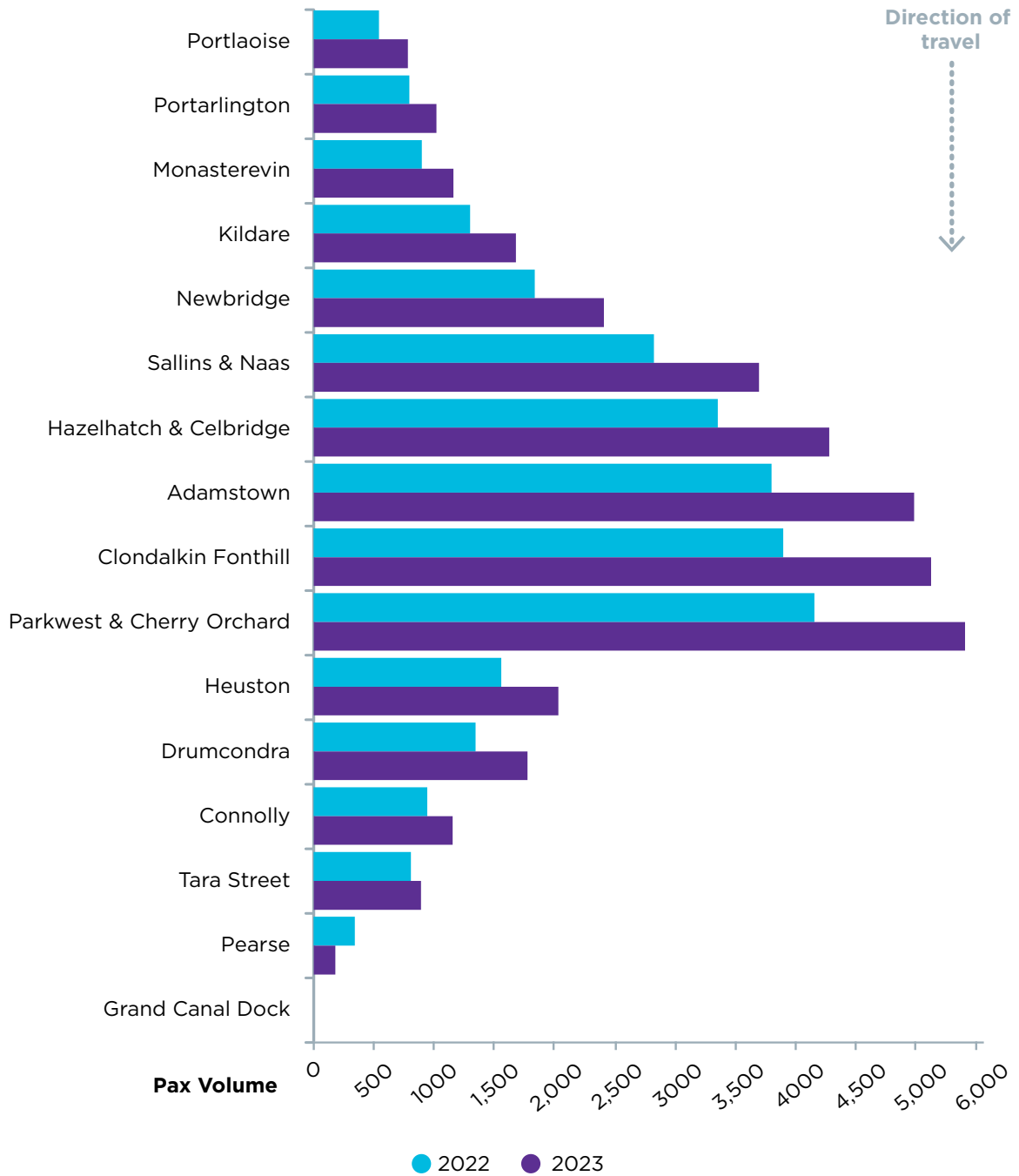
Departures



Profile of Demand by Station

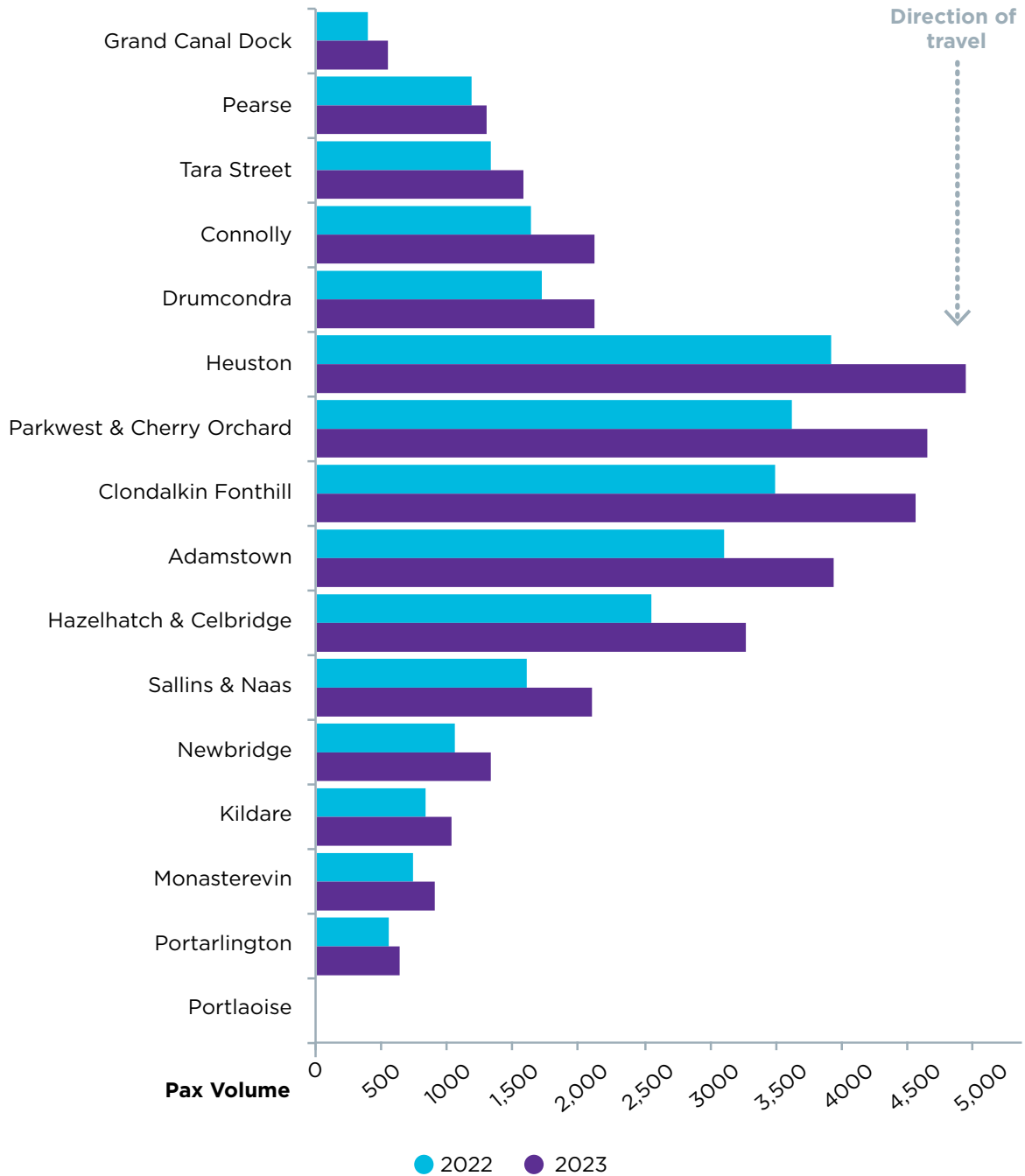
Chart 20 and Chart 21 show the daily demand profile on the Heuston Commuter Services in 2022 and 2023.

Chart 20: Profile of Demand by Station, Heuston Commuter Eastbound (including Phoenix Park Tunnel) - 2022 and 2023²⁰



²⁰ Patronage at Athlone, Clara and Tullamore represented at Portarlington; patronage from Athy and Carlow represented at Kildare.

Chart 21: Profile of Demand by Station, Heuston Commuter Westbound (including Phoenix Park Tunnel) - 2022 and 2023²¹



21 Patronage at Athlone, Clara and Tullamore represented at Portarlington; from Athy and Carlow at Kildare.

Heuston InterCity Services

Daily Patronage

Services Included:

**Dublin -Kildare/Newbridge/Athlone/Carlow/Portlaoise/Cork/Limerick/
Galway/Westport/Waterford/Tralee**

The number of total daily journeys on the Heuston InterCity Services in 2023 was 26,798, up by 12% on 2022 levels.

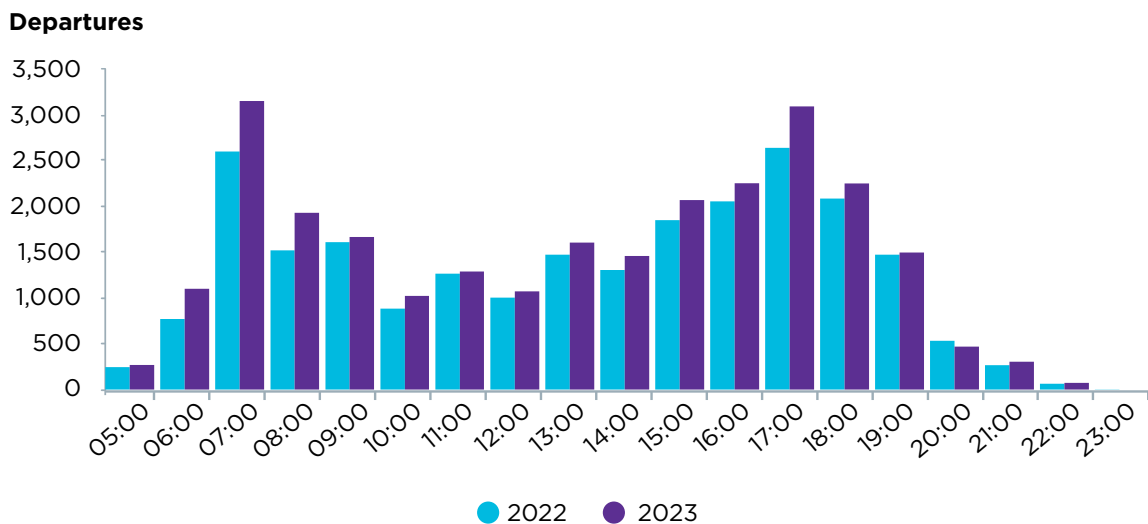
Table 17: Total daily patronage on InterCity Services to & from Heuston

Line	2022	2023	% Change (2022-2023)
Heuston South & Westbound (InterCity)	12,223	13,545	11%
Heuston North & Eastbound (InterCity)	11,626	13,253	14%
Total	23,849	26,798	12%

Hourly Profile of Demand

Chart 22 shows variations in demand throughout the day on Heuston InterCity services in 2022 and 2023, based on total passenger boarding numbers at each station on the service.

Chart 22: Hourly Profile of Demand, Heuston InterCity services (2022 and 2023)



Cork Commuter and Regional

Daily Patronage

Services Included: **Midleton/Cobh - Cork - Mallow - Tralee**

The number of total daily journeys on the Cork Commuter and Regional Services in 2023 was 8,427, down by 7% compared to 2022 levels. It should be noted that the 2022 Rail Census was carried out on the day a major sporting event was taking place in Pairc Uí Chaoimh, Cork which may account for this drop in numbers when compared to 2022. However, as can be seen in Chart 25 and Chart 27, there was an increase in passenger numbers on the Cork-Tralee service. It is also worth noting that the 2023 figures for the Cork Commuter Services represent an increase of 29% on pre-pandemic 2019 levels.

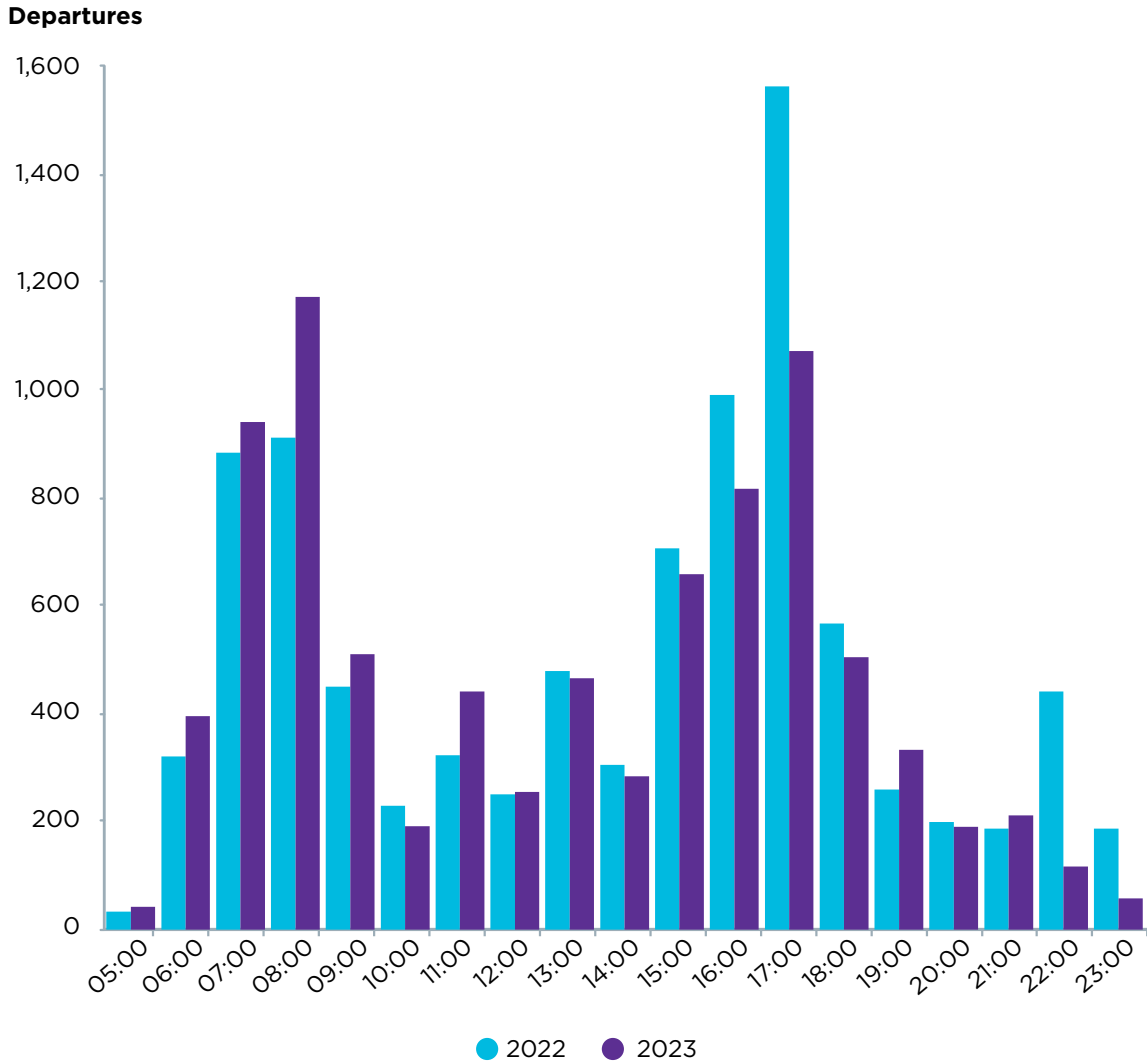
Table 18: Total daily patronage on Cork Commuter and Regional Lines

Line	2022	2023	% Change (2022-2023)
Cork Commuter and Regional Inbound	4,997	4,254	-15%
Cork Commuter and Regional Outbound	4,038	4,173	3%
Total	9,035	8,427	-7%

Hourly Profile of Demand

Chart 23 shows the hourly profile of demand on the Cork Commuter and Regional lines for 2023 and 2022

Chart 23: Hourly Profile of Demand, Cork Commuter and Regional Lines (2022 and 2023)



Profile of Demand by Station

Chart 24 shows the daily profile of demand along the Cork Commuter line from Cork to Glounthaune, where the train then splits into the Midleton and Cobh branches. Chart 25 shows the daily profile of demand along the Cork to Tralee line. Chart 26 and Chart 27 show the profile of demand in the inbound direction which, as would be expected, mirrored the northbound profile.

Chart 24: Profile of Demand by Station, Commuter Services from Cork (2022 and 2023²²)

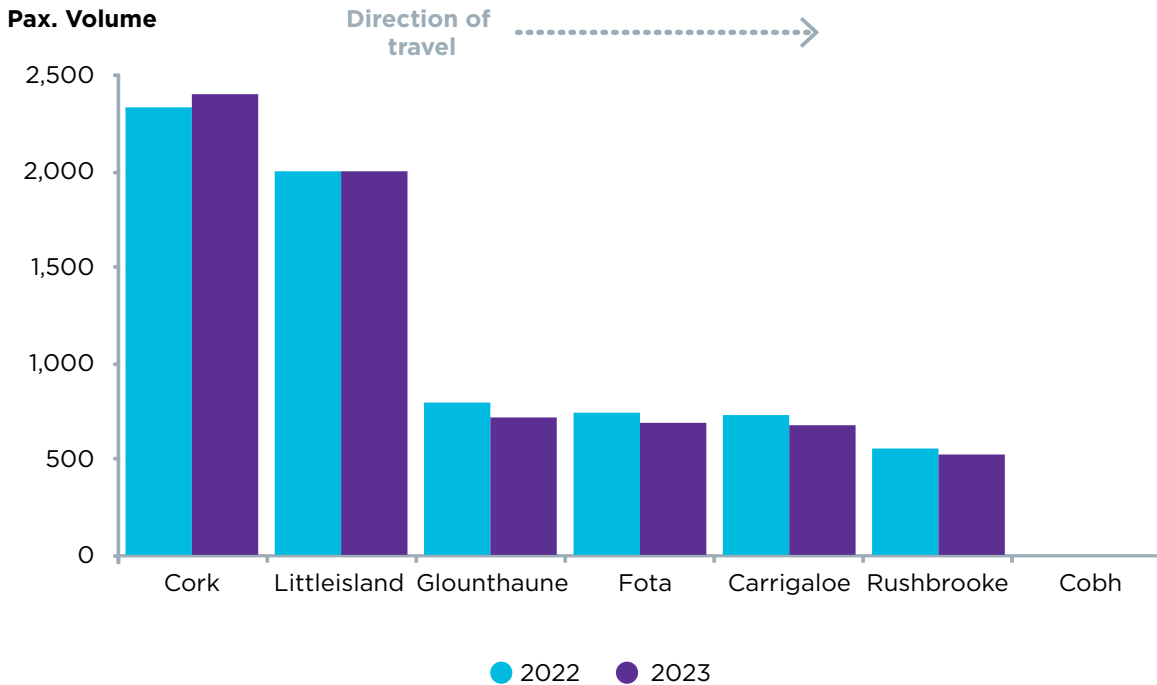
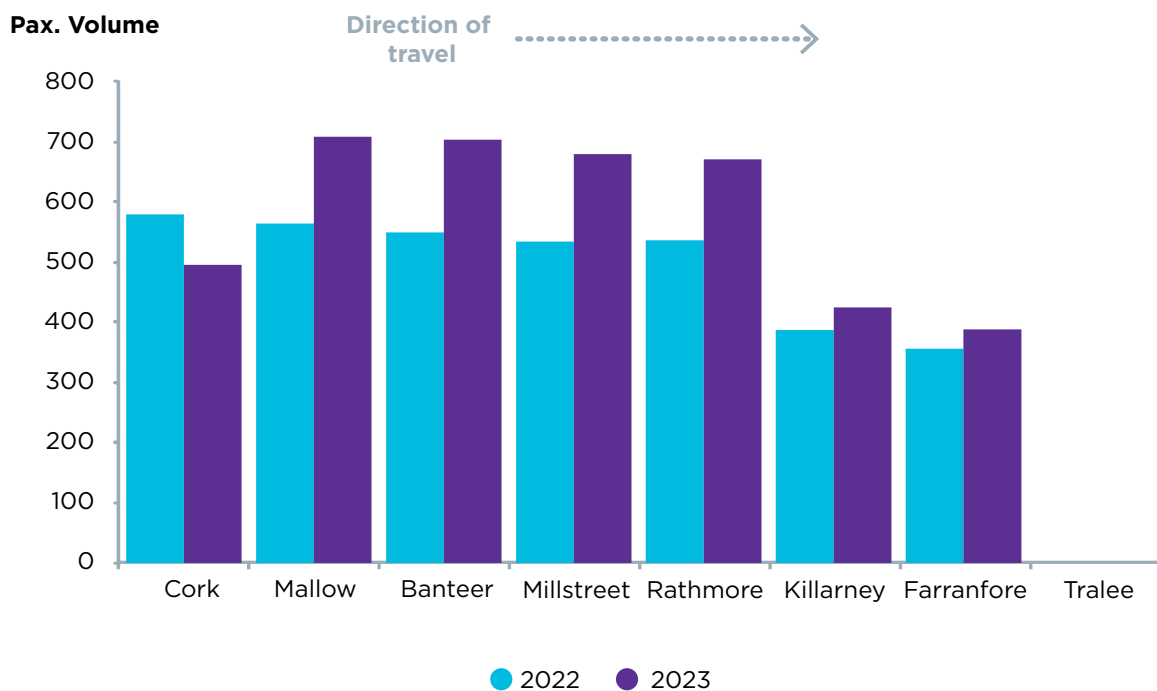


Chart 25: Profile of Demand by Station, Services from Cork to Tralee (2022 and 2023)



22 Line branches at Glounthaune, patronage at Carrigtwohill and Midleton represented at Glounthaune.

Chart 26: Profile of Demand by Station, Commuter Services to Cork (2022 and 2023²³)

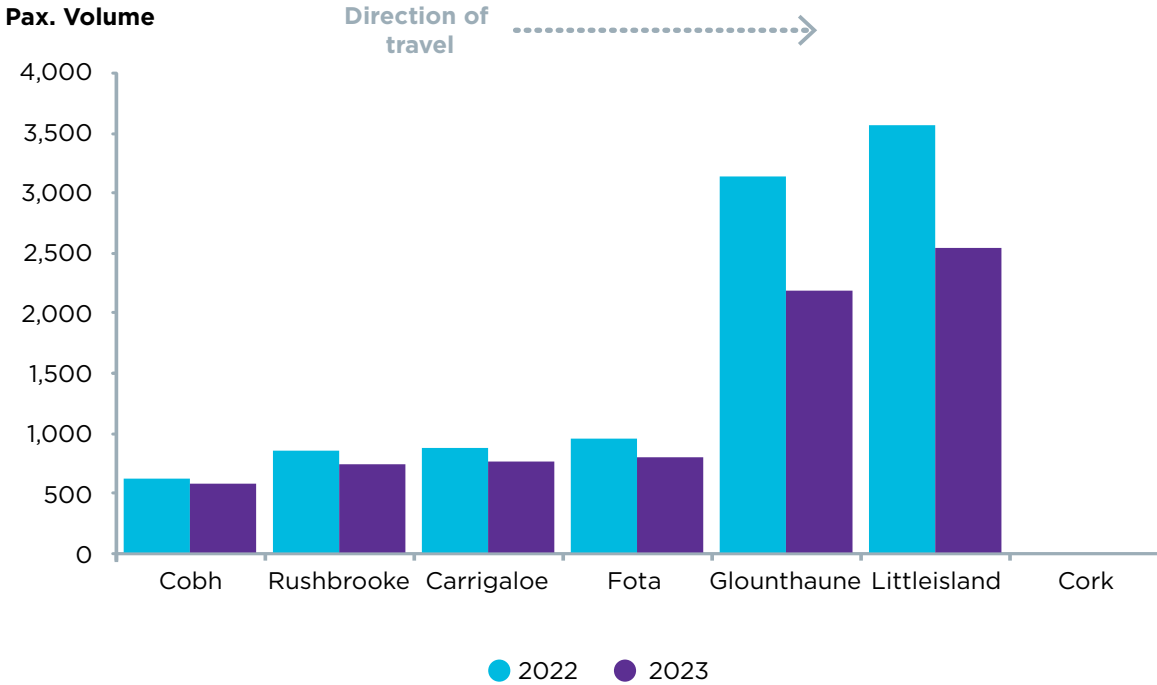
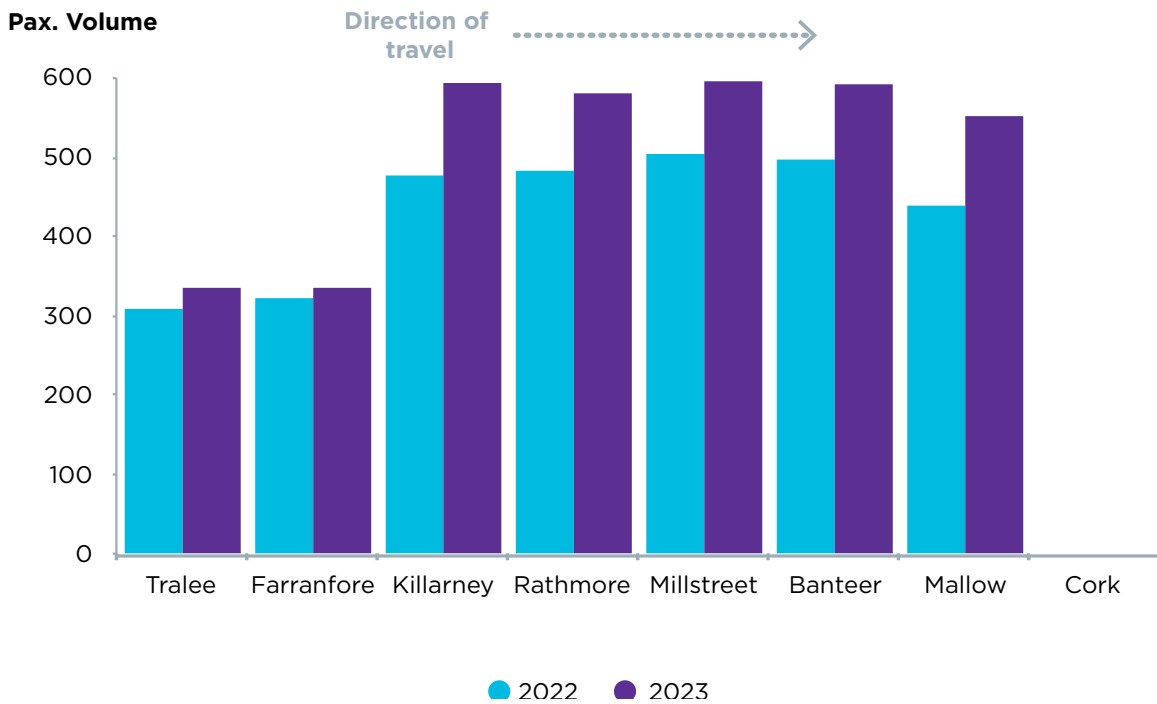


Chart 27: Profile of Demand by Station, Services from Tralee to Cork (2022 and 2023)



²³ Line branches at Glounthaune, patronage at Carrigtwohill and Midleton represented at Glounthaune.

Regional Lines

Daily Patronage

Services Included:

- Limerick – Ennis/Athenry/Galway
- Limerick – Ballybrophy
- Limerick – Limerick Junction
- Waterford – Limerick/ Limerick Junction

The number of total daily journeys on the Regional Lines in 2023 was 4,448, up by 14% on 2022 levels.

Table 19: Total daily patronage on Regional Lines

Route	2022	2023	% Change (2022-2023)
Waterford, Ballybrophy, Thurles, Nenagh, Athenry, Limerick, Limerick Junction – Limerick, Galway, Ennis, Limerick Junction	2,039	2,288	12%
Limerick, Ennis, Galway – Limerick Junction, Ballybrophy, Athenry, Ennis, Waterford, Limerick	1,865	2,159	16%
Total	3,904	4,447	14%

7 Radial Rail Usage in Dublin

This section examines the demand on the different rail corridors serving Dublin to understand how demand compares across the radial corridors in and out of Dublin.

Daily Line Flow into Dublin City Centre by Radial Corridor

Table 20 together with Chart 28 and Chart 29 illustrate the number of passengers entering the city centre by service type (i.e.: DART, Commuter and InterCity services) on each corridor.

Table 21 and Table 22, respectively, show the maximum line flow on each corridor for morning and evening peaks as well as the route section where the maximum flow is located. Table 23 and Table 24, respectively show the busiest trains during the morning and evening peaks, in addition to the service and route segment where the maximum loads occurred.

Table 20: Daily Passenger Flow by Corridor Inbound to the City Centre

Radial Corridor	Total Line Flow Entering Dublin City Centre									
Line	Service	2014	2015	2016	2017	2018	2019	2021	2022	2023
Northern Line	DART	10,077	12,848	14,097	14,956	16,514	15,752	7,450	11,428	13,049
	Commuter	6,103	6,982	6,754	7,581	7,297	7,696	3,796	6162	7,133
	InterCity	1,102	1,073	1,189	1,536	1,457	1,826	784	1535	1,446
	Total	17,282	20,903	22,040	24,073	25,268	25,274	12,030	19,125	21,628
South Eastern Line	DART	12,916	14,898	14,721	16,372	17,248	17,453	8,248	12,847	14,942
	Commuter	1,135	1,076	1,228	1,229	1,038	714	275	431	429
	InterCity ²⁴	-	82	61	132	165	647	334	535	591
	Total	14,051	16,056	16,010	17,733	18,451	18,814	8,857	13,813	15,962
Kildare (Heuston) Line	Commuter	2,677	2,377	2,645	4,051	4,524	5,060	1,963	3954	5,454
	InterCity	7,001	7,303	7,362	8,730	8,639	8,220	4,558	7874	9,000
	Total	9,678	9,680	10,007	12,781	13,163	13,280	6,521	11,828	14,454
Sligo (Maynooth) Line	Commuter	8,027	7,957	8,779	9,778	9,602	9,322	3,249	5390	6,323
	InterCity ²⁵	-	1,508	1,452	1,631	1,792	1,417	742	1272	1,437
	Total	8,027	9,465	10,231	11,409	11,394	10,739	3,991	6,662	7,760
Grand Total		49,038	56,104	58,288	65,996	68,276	68,107	31,399	51,428	59,804

²⁴ InterCity & Commuter services combined in Census 2014 on South Eastern Line.

²⁵ InterCity & Commuter services combined in Census 2014 on Sligo Line.

Chart 28: Daily Passenger Flow by Corridor Inbound to Dublin City Centre by Line

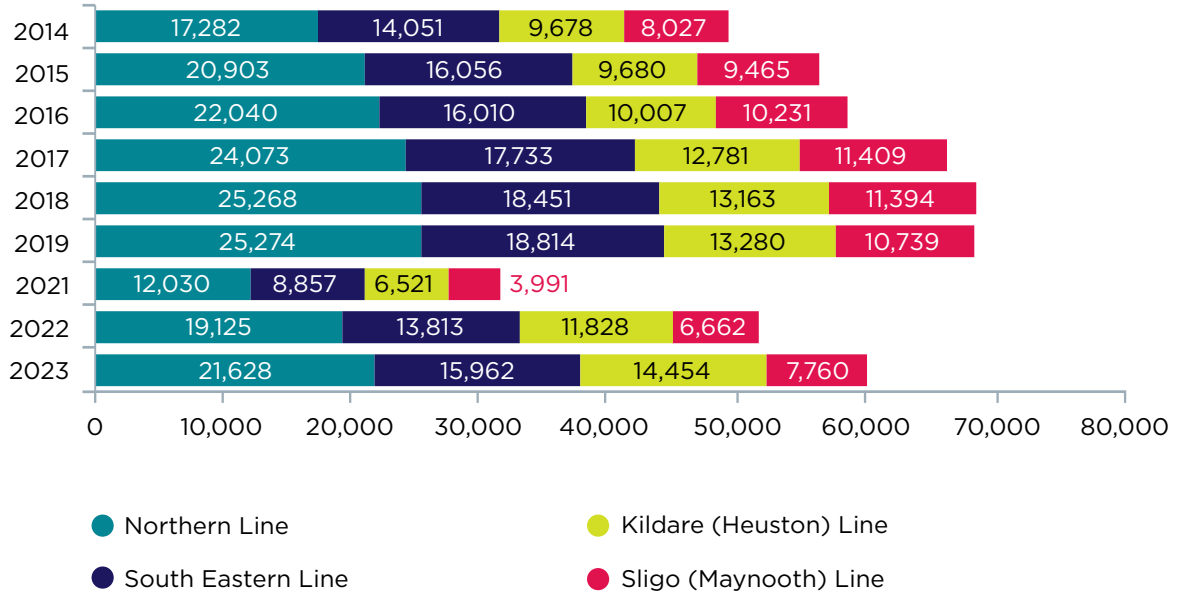
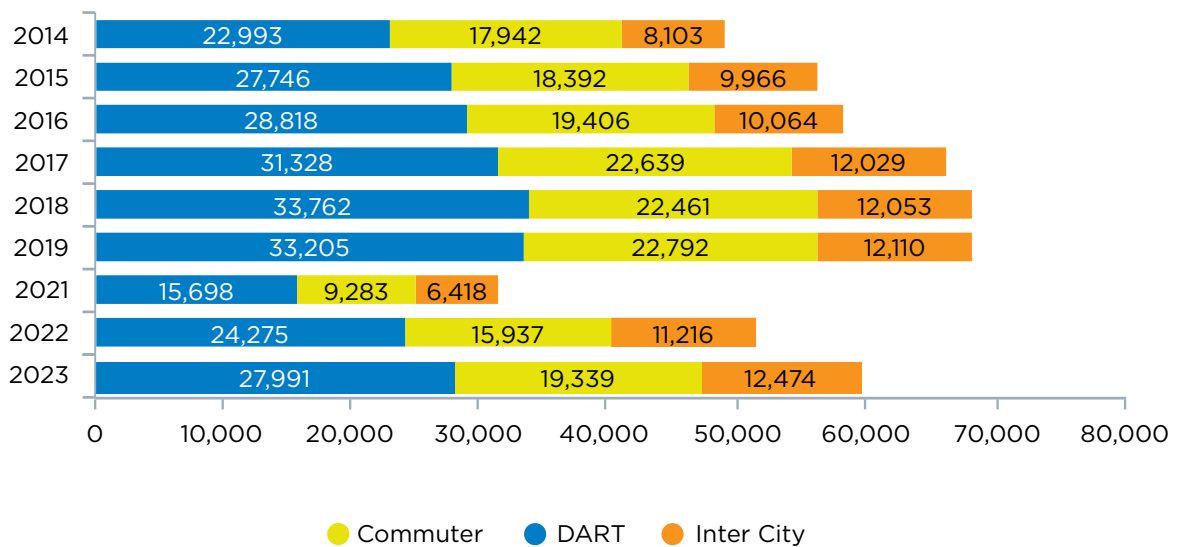


Chart 29: Daily Passenger Flow by Corridor Inbound to Dublin City Centre by Service Type



Peak Hour Flows by Radial Corridor

Table 21: Maximum Flows per Line in the Morning Peak Hour (8:00-9:00)

Radial Corridor	Service	Max. hourly Passenger Flow	Location of Maximum Flow
Northern Lines	DART	4,020	Clontarf Road - Connolly
	Commuter	1,962	Connolly - Tara Street
	InterCity	408	Drogheda - Connolly
Total		6,390	
South Eastern Line	DART	3111	Blackrock - Booterstown
	Commuter		No Commuter Service 08:00-09:00
	InterCity	316	Blackrock - Lansdowne Road
Total		3,427	
Kildare (Heuston) Line	Commuter	1,167	Clondalkin Fonthill - Parkwest & Cherry Orchard
	InterCity	796	Newbridge - Heuston
Total		1,963	
Sligo (Maynooth) Line	Commuter	3,024	Pelletstown - Broombridge
	InterCity	785	Kilcock - Maynooth
Total		3,809	

Table 22: Maximum Flows per Line in the Evening Peak Hour (17:00-18:00)

Radial Corridor	Service	Max. hourly Passenger Flow	Location of Maximum Flow
Northern Lines	DART	2,629	Pearse - Tara Street
	Commuter	1,430	Connolly - Malahide
	InterCity	232	Dundalk - Belfast
Total		4,291	
South Eastern Lines	DART	2231	Lansdowne Road - Sandymount
	Commuter		No Commuter Services 17:00 - 18:00
	InterCity	292	Bray - Greystones
Total		2,523	
Kildare (Heuston) Line	Commuter	751	Parkwest & Cherry Orchard - Clondalkin Fonthill
	InterCity	822	Heuston - Sallins & Naas
Total		1,573	
Sligo (Maynooth) Line	Commuter	1,680	Broombridge - Pelletstown
	InterCity	497	Connolly - Leixlip Louisa Bridge
Total		2,177	

Train Loadings by Radial Corridor

Table 23: Most Heavily Loaded Trains in the Morning Period

Corridor	Service	Maximum Load	Train	Location
Northern Lines	DART	913	08:10 Malahide - Bray	Clontarf Road - Connolly
	Commuter	664	07:10 Dundalk - Pearse	Malahide - Connolly
	InterCity	408	06:50 Belfast - Connolly	Drogheda - Connolly
South Eastern Lines	DART	781	07:55 Bray - Howth	Blackrock - Booterstown
	Commuter	185	05:50 Gorey - Connolly	Bray - Dun Laoghaire
	InterCity	316	05:35 Rosslare Europort - Dundalk	Blackrock - Lansdowne Road
Heuston Lines	Commuter	421	07:19 Newbridge - Grand Canal Dock	Parkwest & Cherry Orchard - Drumcondra
	InterCity	512	05:25 Galway - Heuston	Sallins & Naas - Heuston
Sligo Lines	Commuter	692	06:12 Longford - Pearse	Pelletstown - Broombridge
	InterCity	443	05:40 Sligo - Connolly	Maynooth - Broombridge

Table 24: Most Heavily Loaded Trains in the Evening Period

Corridor	Service	Maximum Load	Train	Location
Northern Lines	DART	515	17:04 Greystones - Howth	Pearse - Tara Street
	Commuter	694	18:00 Pearse - Dundalk	Connolly - Clongriffin
	InterCity	422	16:50 Connolly - Belfast	Connolly - Dundalk
South Eastern Lines	DART	468	16:34 Malahide - Greystones	Blackrock - Seapoint
	Commuter			No Commuter Service during this period
	InterCity	292	16:33 Connolly - Rosslare Europort	Bray - Greystones
Heuston Lines	Commuter	371	17:32 Grand Canal Dock - Newbridge	Connolly - Drumcondra
	InterCity	474	19:00 Heuston - Cork	Heuston - Portlaoise
Sligo Lines	Commuter	570	17:00 Bray - Maynooth	Broombridge - Pelletstown
	InterCity	497	17:10 Connolly - Sligo	Connolly - Leixlip Louisa Bridge

Appendix A: Daily Boardings at each Station, by Service Type

Route	DART		Rosslare - Belfast Line		Maynooth (Sligo) Line			TOTAL								
Station	North Bound	South Bound	North Bound	South Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Rosslare EuroPort			13					13	12	8	12	12	7	11	21	13
Rosslare Strand			45					45	21	22	25	28	19	16	24	14
Wexford			147	17				164	159	109	103	133	147	76	115	78
Enniscorthy			62	12				74	71	26	41	36	65	54	57	38
Gorey			85	17				102	87	77	78	98	76	73	86	78
Arklow			63	15				78	60	93	102	83	121	85	88	91
Rathdrum			82	11				93	70	71	106	59	69	68	111	75
Wicklow			141	18				159	108	170	245	328	269	168	155	152
Kilcoole			29	5				34	21	25	59	47	99	39	24	33
Greystones	1,486		152	45				1,683	1,721	1,234	2,345	2,326	2,568	1,927	1,951	1,561
Bray	2,765	244	186	129	48			3,372	3,129	2,367	3,324	3,838	3,946	3,144	2,974	2,573
Shankill	1,203	119						1,322	1,273	882	1,581	1,496	1,342	1,367	1,456	1,085
Killiney	898	169						1,067	948	738	876	988	989	853	792	731
Dalkey	1,393	431						1,824	1,804	1,400	1,819	1,921	1,748	1,621	1,634	1,301
Glenageary	1,637	187						1,824	1,603	1,060	1,910	1,840	1,839	1,666	1,661	1,388
Sandycove & Glashule	1,138	261						1,399	1,374	913	1,475	1,422	1,289	1,208	1,157	1,004
Dun Laoghaire	2,842	907	226	140	71	8		4,194	3,718	2,446	4,364	4,135	4,129	3,574	3,315	2,610
Salthill & Monkstown	918	288						1,206	1,116	756	1,241	1,495	1,323	1,387	1,379	1,065
Seapoint	593	271						864	798	544	803	863	808	836	869	682
Blackrock	2,160	974	103	29	52	1		3,319	2,990	1,875	3,468	3,571	3,155	2,974	2,862	2,699
Boosterstown	954	552						1,506	1,580	1,174	1,770	1,824	1,612	1,644	1,320	1,274
Sydney Parade	1,337	609	26	15	36	2		2,025	1,838	1,295	1,896	1,884	2,193	1,883	1,847	1,552
Sandymount	790	420						1,210	1,062	656	1,370	1,343	1,080	1,044	1,243	828
Lansdowne Road	1,483	810	55	42	70	4		2,464	2,188	1,200	3,605	3,700	3,429	3,500	3,459	2,868
Grand Canal Dock	1,533	1,453	73	9	100	4		3,172	2,902	1,352	4,240	3,390	3,252	2,896	2,671	2,712
Pearse	4,087	5,674	2,368	404	1,328	71		13,932	12,660	7,799	15,247	15,605	15,010	14,827	13,292	13,560
Tara Street	3,010	3,683	893	273	458	75		8,392	7,005	4,315	9,274	9,639	9,302	7,952	7,730	6,746
Connolly	3,352	3,277	5,560	728	4,843	289		18,049	15,423	9,724	17,823	18,867	17,540	14,857	14,679	12,029

Route	DART		Rosslare - Belfast Line		Maynooth (Sligo) Line			TOTAL								
Station	North Bound	South Bound	North Bound	South Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Clontarf Road	358	1,161						1,519	1,415	869	2,172	2,115	2,052	1,946	1,694	1,272
Killester	391	1,696						2,087	2,211	1,210	2,665	2,347	2,197	2,225	1,786	1,595
Harmonstown	241	1,000						1,241	1,023	716	1,406	1,609	1,314	1,396	1,071	998
Raheny	324	1,668						1,992	1,614	1,097	2,207	2,417	2,150	2,024	1,883	1,758
Kilbarrack	287	1,332						1,619	1,335	1,023	1,663	1,694	1,516	1,373	1,368	1,106
Howth Junction & Donaghmede	550	1,259	5	46				1,860	1,460	1,059	1,727	1,886	2,163	1,818	1,715	1,613
Bayside	155	764						919	781	924	1,329	1,799	1,502	1,400	1,403	1,222
Sutton	66	955						1,021	911	623	931	1,004	974	963	741	669
Howth		1,012						1,012	1,250	1,233	1,379	1,805	1,439	1,240	1,259	875
Clongriffin	100	1,131	1	184				1,416	1,341	727	1,640	1,576	1,296	1,256	1,013	830
Portmarnock	62	1,245	2	203				1,512	1,315	678	2,121	1,401	1,981	1,450	1,191	1,182
Malahide		2,231	617	842				3,690	3,309	2,141	3,456	3,952	3,324	2,626	2,604	2,086
Donabate			354	1,432				1,786	1,178	991	1,663	1,646	1,371	1,392	1,386	1,105
Rush & Lusk			148	967				1,115	976	662	1,176	1,072	947	972	905	808
Skerries			174	1,254				1,428	1,329	845	1,628	1,716	1,585	1,424	1,446	1,314
Balbriggan			173	2,089				2,262	2,118	1,542	2,180	2,209	2,238	1,782	1,872	1,757
Gormanstown			6	59				65	86	45	87	80	84	101	72	87
Laytown			11	549				560	499	325	490	476	432	397	392	305
Drogheda			181	1,039				1,220	1,178	664	1,047	1,203	1,119	1,086	1,264	957
Dundalk			117	694				811	594	337	623	623	516	579	465	394
Belfast				1,078				1,078	1,290	669	1,499	1,183	1,322	1,011	853	1,094
Docklands					1,085			1,085	803	294	1,610	1,587	1,466	1,326	1,064	874
Drumcondra					977	309		1,286	1,534	1,127	1,397	1,192	1,112	1,183	1,258	1,291
Pelletstown					183	856		1,039	834	369		-	-	-	-	-
Broombridge					1,561	228		1,789	1,061	597	1,099	957	504	418	370	221
Ashtown					141	570		711	527	330	1,087	1,095	1,110	995	928	930
Navan Road Parkway					295	257		552	356	100	373	311	285	323	270	245
Castleknock					300	729		1,029	863	506	1,052	957	888	792	781	716
Coolmine					348	1,461		1,809	1,211	987	1,868	2,125	2,916	1,502	1,544	1,332
Clonsilla					711	1,253		1,964	1,921	1,222	2,242	2,153	1,599	1,767	1,698	1,480

Route	DART		Rosslare - Belfast Line		Maynooth (Sligo) Line			TOTAL								
Station	North Bound	South Bound	North Bound	South Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Hansfield					19	333		352	222	53	244	255	211	210	143	87
Dunboyne					16	246		262	243	146	256	308	294	279	184	220
M3 Parkway						434		434	218	177	654	559	422	400	298	174
Leixlip Confey					166	477		643	547	376	676	627	616	529	520	416
Leixlip Louisa Bridge					153	904		1,057	1,291	769	1,286	1,334	1,059	1,112	1,067	1,054
Maynooth					472	3,073		3,545	3,185	2,084	3,784	3,359	3,136	2,695	2,831	2,006
Kilcock					28	409		437	347	233	424	337	342	237	258	225
Enfield					22	245		267	248	103	262	209	213	137	127	100
Mullingar					97	530		627	538	334	541	537	533	473	509	492
Edgeworthstown					33	168		201	165	76	96	139	133	116	130	104
Longford					64	293		357	386	222	288	337	372	254	322	266
Dromod					21	73		94	113	49	86	86	90	112	79	124
Carrick-on-Shannon					47	112		159	139	110	120	143	142	105	141	103
Boyle					30	90		120	91	76	81	118	89	67	77	58
Ballymote					44	61		105	92	67	95	118	87	91	131	74
Collooney					18	49		67	76	29	67	64	59	56	56	50
Sligo						564		564	526	412	512	460	482	426	401	307

Route	Heuston		Cork Commuter & Regional		Regional			TOTAL								
Station	North Bound	South Bound	West Bound	East Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Grand Canal Dock		553						553	393	131	560	395	441			
Pearse	20	771						791	826	368	502	469	455			
Tara Street	34	303						337	315	93	402	253	140			
Connolly	103	718						821	600	293	751	558	522			
Drumcondra	251	365						616	495	273	559	459	293			
Heuston		12,297						12,297	10,108	5,703	11,365	11,505	10,700	9,537	9,997	9,394
Parkwest & Cherry Orchard	465	190						655	565	307	651	495	410	255	202	184
Clondalkin Fonthill	238	140						378	245	137	282	212	164	54	40	54
Adamstown	771	85						856	536	203	261	334	270	134	108	87
Hazelhatch & Celbridge	783	256						1,039	857	405	969	769	497	299	271	270
Sallins & Naas	1,655	244						1,899	1,639	915	2,276	2,088	1,783	1,026	964	1,123
Newbridge	1,284	411						1,695	1,522	827	1,538	1,530	1,283	1,224	1,067	1,081
Kildare	756	458						1,214	1,032	570	956	898	888	775	683	612
Athy	443	138						581	561	419	519	526	464	464	442	314
Carlow	710	286						996	918	557	790	853	768	745	593	575
Monasterevin	226	28						254	187	120	156	149	110	101	87	91
Portarlinton	623	381						1,004	941	555	634	695	728	565	705	806
Portlaoise	1,239	220						1,459	1,112	772	1,123	1,097	1,036	825	804	727
Ballybrophy	111	11			24			146	165	79	174	129	153	161	121	99
Templemore	64	25						89	98	57	96	90	96	77	106	70
Thurles	454	300			34			788	777	467	706	817	601	563	557	559
Limerick Junction	836	313			1,027	146		2,322	2,235	1,339	1,988	2,056	1,836	1,501	1,562	1,409
Limerick	271				1,389	97		1,757	1,581	987	1,510	1,508	1,287	1,112	1,157	1,073
Charleville	77	25	27					129	92	58	105	77	102	73	84	65
Mallow	690	366	494	664				2,214	2,363	1,191	1,848	1,488	1,430	1,454	1,451	1,368
Cork	2,225			2,906				5,131	4,845	2,431	4,046	3,839	4,071	3,752	3,462	2,896
Muine Bheag	156	21						177	116	82	173	151	140	145	127	146
Kilkenny	539	128						667	412	303	442	492	473	400	355	350
Thomastown	104	7						111	82	45	54	66	53	52	39	39

Route	Heuston		Cork Commuter & Regional		Regional			TOTAL								
Station	North Bound	South Bound	West Bound	East Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Waterford	616				129			745	621	311	437	549	622	494	447	518
Tullamore	508	177						685	647	399	618	593	654	470	618	475
Clara	100	24						124	120	91	130	125	132	137	109	83
Athlone	530	446						976	1,030	691	781	828	830	713	705	560
Ballinasloe	146	192						338	254	204	190	231	228	195	204	68
Woodlawn	13	54						67	61	42	55	58	68	35	38	22
Attymon	1	19						20	23	7	13	7	14	8	7	3
Athenry	141	208			221	42		612	576	438	520	615	466	376	393	266
Galway	1,868					542		2,410	2,169	1,256	1,875	1,998	1,727	1,260	1,402	1,218
Roscommon	83	25						108	114	76	138	108	121	88	75	72
Castlerea	87	15						102	86	53	111	91	96	70	58	60
Ballyhaunis	49	39						88	57	42	122	69	106	80	67	64
Claremorris	92	22						114	76	64	105	80	88	113	86	87
Castlebar	284	9						293	143	109	146	138	163	145	120	114
Westport	280							280	199	114	180	139	106	153	135	104
Manulla Junction	81	128						209	161	140	103	223	223	146	119	78
Foxford	6	6						12	20	11	13	17	19	19	5	-
Ballina	100							100	105	54	62	101	96	62	50	-
Banteer	11		14	12				37	20	18	36	32	35	32	39	19
Millstreet	25		23	47				95	86	43	56	61	98	55	91	111
Rathmore	21	6	32	17				76	65	17	34	61	44	30	59	18
Killarney	44	9	156	384				593	469	256	367	250	356	213	224	228
Farranfore	17		9	13				39	32	32	32	53	25	21	21	14
Tralee	52			336				388	342	221	301	347	226	240	236	208
Littleisland			534	170				704	759	341	711	587	495	432	347	218
Glounthaune			283	123				406	628	206	298	290	287	229	186	139
Carrigtwohill			269	59				328	370	110	166	174	157	148	95	98
Midleton			1,030					1,030	1,438	559	817	759	608	638	461	458
Fota			36	3				39	92	21	116	19	26	14	10	9
Carrigaloe			27	2				29	42	12	23	33	36	40	37	19

Route	Heuston		Cork Commuter & Regional		Regional			TOTAL								
Station	North Bound	South Bound	West Bound	East Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Rushbrooke			171	12				183	252	110	115	159	169	194	195	87
Cobh			574					574	617	267	411	450	517	555	481	369
Sixmilebridge					17	72		89	97	36	54	66	53	57	53	55
Ennis					85	222		307	275	141	195	218	190	153	261	173
Gort					48	11		59	63	29	27	21	16	31	19	20
Ardrahan					9	3		12	14	13	12	3	3	5	3	7
Craughwell					40	11		51	32	16	26	20	33	18	13	13
Oranmore	129	159			123	21		432	264	190	278	180	262	70	63	19
Roscrea					2	3		5	5	11	7	6	30	6	7	4
Cloughjordan					2	1		3	2	7	12	8	6	9	6	8
Nenagh					23	9		32	13	24	28	19	24	13	17	9
Birdhill					11			11	3	5	15	3	7	6	11	6
Castleconnell					24	4		28	14	4	42	23	13	12	15	10
Carrick-on-Suir					8	4		12	13	7	4	13	4	3	1	-
Clonmel					33	6		39	40	27	22	27	29	27	23	20
Cahir					6	4		10	6	5	1	5	9	10	9	5
Tipperary					4	9		13	11	3	11	12	3	13	11	7

Appendix B: Daily Alightings at each Station by Service Type

Route	DART		Rosslare - Belfast Line		Maynooth (Sligo) Line			TOTAL								
Station	North Bound	South Bound	North Bound	South Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Rosslare EuroPort				27				27	22	9	16	39	19	25	27	16
Rosslare Strand			1	38				39	40	26	54	28	25	35	42	24
Wexford			6	143				149	134	75	140	187	240	82	137	82
Enniscorthy			22	87				109	60	44	60	47	101	51	53	65
Gorey			28	174				202	132	80	105	128	150	116	85	77
Arklow			10	106				116	132	71	119	120	151	126	93	95
Rathdrum			4	101				105	100	62	86	71	74	52	106	93
Wicklow			20	191				211	187	129	217	236	234	181	187	162
Kilcoole			5	39				44	37	14	65	54	93	9	96	25
Greystones		1,469	30	160				1,659	1,540	1,076	2,016	2,196	2,201	1,743	1,711	1,460
Bray	164	2,975	81	199		8		3,427	3,093	2,320	3,474	3,540	3,758	3,220	2,870	2,997
Shankill	123	1,095						1,218	1,187	822	1,354	1,412	1,315	1,278	1,147	1,049
Killiney	160	680						840	799	613	764	880	932	772	741	734
Dalkey	350	1,410						1,760	1,908	1,505	1,767	1,813	1,776	1,742	1,650	1,258
Glenageary	266	1,354						1,620	1,371	1,045	1,674	1,699	1,590	1,454	1,468	1,324
Sandycove & Glashule	301	908						1,209	1,291	806	1,325	1,271	1,092	1,084	1,067	968
Dun Laoghaire	1,022	2,996	57	286	10	55		4,426	3,730	2,497	4,467	4,409	4,096	3,492	3,430	2,633
Salthill & Monkstown	235	544						779	1,156	705	1,270	1,355	1,260	1,182	1,084	949
Seapoint	153	422						575	639	466	700	771	663	554	629	514
Blackrock	1,037	1,894	40	126	2	36		3,135	2,758	1,768	2,933	3,277	3,006	2,985	2,866	2,764
Boosterstown	693	817						1,510	1,386	941	1,634	1,774	1,669	1,445	1,429	1,098
Sydney Parade	554	1,278		119		33		1,984	1,901	1,276	2,319	2,331	2,365	2,175	1,898	1,716
Sandymount	442	770						1,212	1,101	658	1,337	1,266	1,107	981	1,355	846
Lansdowne Road	914	1,388	57	155	6	66		2,586	2,375	1,293	3,830	3,896	3,657	3,888	4,089	2,722
Grand Canal Dock	1,774	1,482	107	190	1	94		3,648	3,672	1,477	4,610	4,598	4,410	3,958	3,759	3,355
Pearse	4,719	5,021	307	2,048	23	1,250		13,368	10,926	6,904	14,922	15,846	15,128	14,221	14,127	12,021
Tara Street	4,327	3,647	261	986	53	364		9,638	8,110	4,871	10,063	10,802	9,614	8,461	9,645	7,513
Connolly	3,315	3,228	429	5,313	90	5,086		17,461	15,770	10,412	19,796	18,807	18,322	16,109	15,220	12,931

Route	DART		Rosslare – Belfast Line		Maynooth (Sligo) Line			TOTAL								
Station	North Bound	South Bound	North Bound	South Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Clontarf Road	1,193	375						1,568	1,388	866	2,343	2,175	2,091	2,206	1,713	1,405
Killester	1,605	341						1,946	1,503	1,198	2,052	2,061	2,024	2,170	1,547	1,511
Harmonstown	1,159	223						1,382	1,033	686	1,310	1,440	1,284	1,312	990	897
Raheny	1,471	283						1,754	1,540	1,071	2,131	2,254	2,089	2,161	1,789	1,698
Kilbarrack	1,199	277						1,476	1,335	758	1,473	1,663	1,552	1,331	955	1,112
Howth Junction & Donaghmede	1,420	482	32	68				2,002	1,599	1,184	2,015	2,151	2,169	2,044	2,179	1,708
Bayside	816	127						943	914	813	1,341	1,211	1,281	1,250	1,113	1,091
Sutton	783	94						877	744	529	914	912	919	662	536	640
Howth	1,620							1,620	1,670	1,588	1,329	1,625	1,560	1,138	1,286	898
Clongriffin	1,148	134	64	23				1,369	1,185	879	1,706	1,431	1,219	985	875	726
Portmarnock	1,241	69	77	7				1,394	1,305	598	1,318	1,289	1,729	974	899	940
Malahide	1,909		988	564				3,461	3,187	2,269	3,597	3,629	3,030	2,158	2,508	1,992
Donabate			1,687	347				2,034	1,456	1,157	1,570	1,642	1,347	1,598	1,161	1,057
Rush & Lusk			901	155				1,056	964	646	1,073	894	872	894	775	795
Skerries			1,097	231				1,328	1,220	870	1,543	1,623	1,588	1,320	1,466	1,227
Balbriggan			1,910	203				2,113	2,087	1,614	2,539	2,361	2,262	1,868	1,422	1,564
Gormanstown			79	5				84	89	50	111	105	112	55	82	71
Laytown			510	15				525	529	305	461	468	430	354	367	349
Drogheda			1,077	138				1,215	1,179	645	1,056	1,184	1,138	917	1,121	1,041
Dundalk			661	126				787	687	294	547	536	535	516	475	453
Belfast			1,535					1,535	1,417	759	1,473	1,532	1,477	1,313	936	1,126
Docklands						1,222		1,222	922	426	1,809	1,960	2,035	1,515	1,244	1,141
Drumcondra					314	1,565		1,879	1,763	1,139	1,684	1,590	1,372	1,413	1,249	1,154
Pelletstown					583	145		728	713	341						
Broombridge					286	1,682		1,968	1,367	741	1,367	988	518	440	318	257
Ashtown					503	123		626	454	315	883	1,072	956	750	787	773
Navan Road Parkway					242	161		403	297	117	282	246	256	303	253	222
Castleknock					718	252		970	837	557	816	930	1,001	727	784	694
Coolmine					1,814	280		2,094	1,487	838	1,587	1,987	1,634	1,527	1,682	1,406
Clonsilla					1,334	612		1,946	1,858	1,220	1,968	1,823	1,519	1,477	1,470	1,126

Route	DART		Rosslare – Belfast Line		Maynooth (Sligo) Line			TOTAL								
Station	North Bound	South Bound	North Bound	South Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Hansfield					313	17		330	172	16	247	233	215	184	148	101
Dunboyne					277	4		281	218	77	309	249	326	228	202	211
M3 Parkway					441			441	224	123	627	473	427	344	283	215
Leixlip Confey					376	153		529	529	347	625	534	611	556	473	436
Leixlip Louisa Bridge					948	112		1,060	1,183	701	1,195	1,069	880	1,097	933	1,039
Maynooth					2,863	344		3,207	2,979	2,135	3,434	3,366	3,092	2,567	2,906	2,276
Kilcock					361	33		394	274	154	372	273	305	213	258	236
Enfield					228	22		250	219	96	266	233	223	141	144	142
Mullingar					552	125		677	584	392	651	658	583	516	558	564
Edgeworthstown					173	59		232	192	105	130	107	156	101	149	122
Longford					379	75		454	404	298	367	410	341	292	374	269
Dromod					99	15		114	136	70	114	97	118	96	138	120
Carrick-on-Shannon					128	60		188	263	131	179	143	170	118	140	94
Boyle					80	52		132	122	79	104	89	97	68	70	57
Ballymote					58	60		118	129	85	115	97	105	110	126	64
Collooney					78	13		91	86	59	82	76	90	75	92	74
Sligo					504			504	492	274	401	436	367	311	443	304

Route	Heuston		Cork Commuter		Regional			TOTAL								
Station	North Bound	South Bound	West Bound	East Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Grand Canal Dock	188							188	342	137	396	276	227			
Pearse	740	11						751	501	290	805	679	508			
Tara Street	298	20						318	301	85	269	240	187			
Connolly	728	177						905	688	278	679	575	605			
Drumcondra	509	368						877	627	366	551	427	359			
Heuston	12,399							12,399	10,471	5,895	11,471	11,660	11,596	10,007	9,753	9,273
Parkwest & Cherry Orchard	184	486						670	635	284	616	571	471	247	265	171
Clondalkin Fonthill	96	224						320	278	117	270	249	165	64	48	51
Adamstown	60	723						783	482	258	495	327	291	122	114	97
Hazelhatch & Celbridge	198	943						1,141	900	376	1,001	799	547	290	276	260
Sallins & Naas	204	1,739						1,943	1,724	1,021	1,875	2,084	1,394	1,128	1,018	1,006
Newbridge	366	1,326						1,692	1,460	861	1,608	1,567	1,378	1,169	1,105	1,034
Kildare	361	793						1,154	1,051	647	1,020	1,046	874	739	662	731
Athy	144	435						579	498	388	629	449	477	466	510	408
Carlow	221	689						910	907	478	727	720	688	735	637	582
Monasterevin	42	188						230	176	102	153	165	84	70	71	82
Portarlinton	464	627						1,091	904	595	588	546	686	615	705	754
Portlaoise	280	1,130						1,410	1,088	751	954	1,116	906	793	745	737
Ballybrophy	12	134				14		160	140	80	194	135	163	131	139	108
Templemore	37	63						100	100	56	110	102	87	84	80	90
Thurles	311	492						803	603	449	724	787	611	574	456	578
Limerick Junction	348	1,031			1,098	58		2,535	1,987	1,323	1,912	1,951	1,792	1,488	1,552	1,435
Limerick		244			1,074	378		1,696	1,543	894	1,305	1,382	1,092	1,203	1,167	1,000
Charleville	49	101						150	90	76	110	103	83	67	82	91
Mallow	493	629	534	450				2,106	2,201	1,053	1,564	1,454	1,544	1,270	1,251	1,276
Cork		2,250	3,121					5,371	6,480	2,458	4,515	4,108	4,022	3,811	3,354	2,764
Muine Bheag	33	189						222	143	88	176	146	155	166	162	153
Kilkenny	128	539						667	516	340	481	501	499	348	285	404
Thomastown	10	99						109	94	42	62	70	61	65	48	41
Waterford		530				114		644	486	297	442	502	460	373	421	472

Route	Heuston		Cork Commuter		Regional			TOTAL								
Station	North Bound	South Bound	West Bound	East Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Tullamore	189	521						710	600	426	609	654	546	446	678	447
Clara	30	95						125	121	90	128	117	125	119	117	82
Athlone	460	597						1,057	1,000	645	959	938	759	589	637	604
Ballinasloe	181	168						349	269	197	243	239	200	151	182	148
Woodlawn	40	17						57	61	38	63	76	60	38	43	25
Attymon	20							20	15	11	10	12	20	9	7	8
Athenry	263	240			38	221		762	597	378	563	556	523	368	422	297
Galway		1,656			601			2,257	2,031	1,240	1,963	1,740	1,820	1,199	1,162	778
Roscommon	21	77						98	112	76	104	109	133	75	74	83
Castlerea	12	60						72	69	60	87	78	69	67	63	66
Ballyhaunis	24	58						82	62	50	89	79	68	59	70	48
Claremorris	15	96						111	108	71	122	80	94	95	89	63
Castlebar	6	194						200	141	102	156	148	178	150	79	103
Westport		163						163	158	138	166	147	137	101	133	123
Manulla Junction	113	89						202	216	123	146	227	214	151	123	69
Foxford	6	13						19	25	10	14	16	21	23	7	-
Ballina		106						106	78	73	72	113	93	62	59	-
Banteer		3	19	16				38	42	16	43	32	45	30	22	17
Millstreet		17	47	32				96	77	42	59	59	70	38	60	52
Rathmore	2	15	41	30				88	59	30	59	58	45	40	45	33
Killarney	5	73	403	125				606	521	263	430	289	349	308	238	254
Farranfore	2	9	46	13				70	52	40	33	51	36	29	36	24
Tralee		65	390					455	429	222	312	302	258	223	268	288
Littleisland			179	572				751	666	377	799	718	568	423	378	215
Glounthaune			121	289				410	408	198	260	286	259	239	246	136
Carrigtwohill			68	176				244	207	106	150	121	131	137	92	93
Midleton				1,004				1,004	842	527	670	613	536	583	465	488
Fota			2	32				34	66	21	115	24	26	18	9	11
Carrigaloe			3	16				19	32	15	13	15	26	37	13	24
Rushbrooke			10	163				173	195	100	98	122	166	194	180	124
Cobh				525				525	555	290	376	427	500	623	455	396

Route	Heuston		Cork Commuter		Regional			TOTAL								
Station	North Bound	South Bound	West Bound	East Bound	North Bound	South Bound		2023	2022	2021	2019	2018	2017	2016	2015	2014
Sixmilebridge					51	22		73	85	53	62	54	46	55	30	54
Ennis					268	112		380	335	164	188	274	240	211	151	273
Gort					10	31		41	43	20	17	16	17	25	12	17
Ardrahan					4	14		18	19	3	11	5	8	2	8	12
Craughwell					11	41		52	28	12	28	21	30	17	14	28
Oranmore	120	66			28	105		319	242	103	249	215	160	89	73	54
Roscrea					5	3		8	11	8	3	8	10	5	3	5
Cloughjordan					2	5		7	14	7	10	7	5	9	9	5
Nenagh					10	20		30	47	27	15	18	45	15	17	11
Birdhill					4	4		8	2	8	1	1	8	4	10	8
Castleconnell					2	10		12	5	12	8	7	7	5	5	3
Carrick-on-Suir					3	10		13	14	7	9	11	8	6	-	13
Clonmel					28	37		65	48	18	17	24	28	18	17	29
Cahir					8	8		16	12	14	11	7	8	11	2	11
Tipperary					14			14	18	4	10	16	7	11	10	17

