



Údarás Um Shábháilteacht Ar Bhóithre
Road Safety Authority

**MOTORCYCLIST, PRIVATE PEDAL CYCLIST & PUBLIC PEDAL
CYCLIST
USE OF HIGH VISIBILITY CLOTHING, MOBILE USAGE AND
HELMET WEARING
SURVEY 2021**

**SURVEY REPORT
WINTER 2021**

Prepared for:

**Road Safety Authority
By: Nationwide Data Collection
AC/PM**

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1. Introduction

Nationwide Data Collection (NDC) was commissioned by the Road Safety Authority (RSA) to carry out an observational study to determine the following:

- Use of High Visibility Clothing and Helmet Wearing amongst pedal cyclists and motorcyclists.
- Use of Mobile Phones and Earphones amongst pedal cyclists.

2. Methodology

The surveys were conducted in November and December 2021 across a well distributed spread of geographical locations including the main urban areas throughout the country.

150 pre-determined urban sites were surveyed across the following regions.

Areas	Number of Sites
Cork	20
Dublin	70
Galway	15
Limerick	15
Midlands	5
Waterford	10
Kilkenny	5
Maynooth	4
Kildare	3
Newbridge	3
Total	150

All locations were agreed with the RSA prior to data collection to accord with previous studies.

Region 1 covers Midlands, Waterford and Kilkenny and Region 2 covers Maynooth, Kildare and Newbridge.

Data collection was undertaken using enumerators who manually recorded observations to a standard data collection form (see Appendix A).

A full list of survey sites, including the number of observations achieved at each site, are included in Appendix B.

Observations were carried out in three hour shifts at each site, with surveys undertaken on weekdays (Monday to Friday) between the hours of 07:30 to 10:30 (AM), 12:00-15:00 (Inter-Peak) and 16:00 to 19:00 (PM).

Surveyors were provided with briefing packs that included the following :

- Photo prompt identifying different types of high visibility clothing.
- High visibility vest.
- Data collection sheets.
- Clip board and protective cover.
- Map of site location.
- Interview Instructions.
- Risk assessment checklist.
- COVID-19 Protocols.

Information was recorded for each passing cyclist and motorcyclist as follows:

Information collected at each location
Vehicle Type – Ebike, Public Bike, Private Bike, Private Bike + Child, Moped/Scooter, Motorcycle and Motorcycle + Passenger
Gender – Male or Female
Helmet Wearing – Yes or No
Hi-Viz Clothing Wearing – Yes or No
Is it reflective? – Yes or No
Is it obscured? – Yes or No
Pedal Cyclists only – Using Earphones – Yes or No
Pedal Cyclists only – Using a mobile phone – Yes or No

3. Results and Analysis

3.1 Number of observations per Region

The total number of observations achieved by region is shown below:

Region	Total	Motorcyclists	Total Pedal Cyclists	Private Pedal Cyclists	Public Pedal Cyclists
Cork	1957 (6%)	174 (4%)	1783 (6%)	1769 (6%)	14 (1%)
Dublin	27976 (85%)	3651 (90%)	24325 (84%)	23371 (83%)	954 (98%)
Galway	1432 (4%)	91 (2%)	1341 (5%)	1341 (5%)	-
Limerick	702 (2%)	64 (2%)	638 (2%)	638 (2%)	-
Region 1	555 (2%)	53 (1%)	502 (2%)	502 (2%)	-
Region 2	412 (1%)	34 (1%)	378 (1%)	378 (1%)	-
Total	33034 (100%)	4067 (100%)	28967 (100%)	27999 (100%)	968 (100%)

A total of 33,034 observations were recorded across the 10 areas. These were made up of 4,067 motorcyclists and 28,967 pedal cyclists. Amongst pedal cyclists, 27,999 were private and 968 were public (i.e. coke zero cyclists), with the majority of public cyclists observed in Dublin (954).

Overall there is a decrease of 7,184 records (18%) compared to 2018.

3.2 Number of Observations by Prevailing Weather Conditions

Enumerators recorded the weather conditions that prevailed during the time period when observations were carried out. The results are outlined in the table below:

Weather Conditions	Total	Motorcyclists	Total Pedal Cyclists	Private Pedal Cyclists	Public Pedal Cyclists
Clear and dry	6464 (20%)	934 (23%)	5530 (19%)	5205 (19%)	325 (34%)
Overcast	19915 (60%)	2549 (63%)	17366 (60%)	16923 (60%)	443 (46%)
Rain	399 (1%)	47 (1%)	352 (1%)	352 (1%)	-
Snow	-	-	-	-	-
Mist or Drizzle	1102 (3%)	64 (2%)	1038 (4%)	1038 (4%)	-
Bright	5154 (16%)	473 (12%)	4681 (16%)	4481 (16%)	200 (21%)
Heavy Rain	-	-	-	-	-
Dark	-	-	-	-	-
Fog	-	-	-	-	-
Total	33034 (100%)	4067 (100%)	28967 (100%)	27999 (100%)	968 (100%)

The majority of the surveys were conducted in overcast conditions.

3.3 Usage of High Visibility Clothing (Any)

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing any type of high visibility clothing, by gender:

Type	Gender	Wearing Hi-Viz Clothing (Any)		Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Male	1471	2504	37%
	Female	29	63	32%
	Total	1500	2567	37%

Private Pedal Cyclists	Male	4479	20312	18%
	Female	616	2592	19%
	Total	5095	22904	18%

Public Pedal Cyclists	Male	44	763	5%
	Female	6	155	4%
	Total	50	918	5%

Total Pedal Cyclists	Male	4523	21075	18%
	Female	622	2747	18%
	Total	5145	23822	18%

Compared to 2018 rates (motorcyclists 43%, private pedal cyclists 35% and public pedal cyclists 12%), High Visibility Wearing rates have decreased across all modes of cyclists.

Motorcyclists are most likely to have worn high visibility clothing (37%), with public pedal cyclists least likely (5%).

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing any type of high visibility clothing, by time period:

Type	Time	Wearing Hi-Viz Clothing (Any)		Hi-Viz wearing rates
		Yes	No	
Motorcyclists	AM	423	759	36%
	INTER	473	646	42%
	PM	604	1162	34%
	Total	1500	2567	37%

Private Pedal Cyclists	AM	1979	7161	22%
	INTER	802	6389	11%
	PM	2314	9354	20%
	Total	5095	22904	18%

Public Pedal Cyclists	AM	25	247	9%
	INTER	7	365	2%
	PM	18	306	6%
	Total	50	918	5%

Total Pedal Cyclists	AM	2004	7408	21%
	INTER	809	6754	11%
	PM	2332	9660	19%
	Total	5145	23822	18%

The wearing rates of High Visibility Clothing, by time period doesn't show a clear pattern of wearing rates at particular time periods.

Motorcyclists have the highest wearing rates across all time periods.

Public pedal cyclists have the lowest rates across all periods.

Overall there has been a decrease in wearing rates compared to 2018 rates (motorcyclists 43%, private pedal cyclists 35% and public pedal cyclists 12%).

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing any type of high visibility clothing, by region:

Type	Region	Wearing Hi-Viz Clothing (Any)		Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Cork	47	127	27%
	Dublin	1371	2280	38%
	Galway	28	63	31%
	Limerick	24	40	38%
	Region 1	17	36	32%
	Region 2	13	21	38%
	Total	1500	2567	37%

Private Pedal Cyclists	Cork	250	1519	14%
	Dublin	4260	19111	18%
	Galway	204	1137	15%
	Limerick	171	467	27%
	Region 1	160	342	32%
	Region 2	50	328	13%
	Total	5095	22904	18%

Public Pedal Cyclists	Cork	1	13	7%
	Dublin	49	905	5%
	Galway	-	-	-
	Limerick	-	-	-
	Total	50	918	5%

Total Pedal Cyclists	Cork	251	1532	14%
	Dublin	4309	20016	18%
	Galway	204	1137	15%
	Limerick	171	467	27%
	Region 1	160	342	32%
	Region 2	50	328	13%
	Total	5145	23822	18%

3.4 Usage of High Visibility Clothing (Any) by Reflective Material

Type	Gender	Reflective Hi-Viz Clothing (Any)		Reflective Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Male	1468	3	99.8%
	Female	29	0	100%
	Total	1497	3	99.8%

Private Pedal Cyclists	Male	4469	10	99.8%
	Female	615	1	99.8%
	Total	5084	11	99.8%

Public Pedal Cyclists	Male	43	1	97.7%
	Female	6	0	100%
	Total	49	1	98%

Total Pedal Cyclists	Male	4512	11	99.8%
	Female	621	1	99.8%
	Total	5133	12	99.8%

Compared to 2018, there has been a slight % increase in the wearing of reflective material amongst all modes except public pedal cycles where there is slight decrease.

Amongst all those cyclists wearing any high visibility clothing the percentage of high visibility clothes with reflective material is high across all modes, with motorcyclists and private pedal cyclists having the highest rates and public pedal cyclist close behind.

There is little variation in rates of wearing reflective high visibility clothing by time period as seen in the table below.

Type	Time	Reflective Hi-Viz Clothing (Any)		Reflective Hi-Viz wearing rates
		Yes	No	
Motorcyclists	AM	421	2	99.5%
	INTER	472	1	99.8%
	PM	604	0	100%
	Total	1497	3	99.8%

Private Pedal Cyclists	AM	1975	4	99.8%
	INTER	800	2	99.8%
	PM	2309	5	99.8%
	Total	5084	11	99.8%

Public Pedal Cyclists	AM	24	1	96%
	INTER	7	0	100%
	PM	18	0	100%
	Total	49	1	98%

Total Pedal Cyclists	AM	1999	5	99.8%
	INTER	807	2	99.8%
	PM	2327	5	99.8%
	Total	5133	12	99.8%

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing any type of reflective high visibility clothing, by region:

Type	Region	Wearing Hi-Viz Clothing (Any)		Reflective Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Cork	47	0	100%
	Dublin	1368	3	99.8%
	Galway	28	0	100%
	Limerick	24	0	100%
	Region 1	17	0	100%
	Region 2	13	0	100%
	Total	1497	3	99.8%

Private Pedal Cyclists	Cork	249	1	99.6%
	Dublin	4251	9	99.8%
	Galway	204	0	100%
	Limerick	171	0	100%
	Region 1	160	0	100%
	Region 2	49	1	98%
	Total	5084	11	99.8%

Public Pedal Cyclists	Cork	1	0	100%
	Dublin	48	1	98%
	Galway	-	-	-
	Limerick	-	-	-
	Total	49	1	98%

Total Pedal Cyclists	Cork	250	1	99.6%
	Dublin	4299	10	99.8%
	Galway	204	0	100%
	Limerick	171	0	100%
	Region 1	160	0	100%
	Region 2	49	1	98%
	Total	5133	12	99.8%

Overall wearing rates were extremely high across all regions.

3.5 Usage of High Visibility Clothing (Any) by Obscured Clothing

The table below shows the results of motor cyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing any type of reflective high visibility clothing and whether their clothing was obscured by other items, such as ruck sacks, by gender:

Type	Gender	Obscured Hi-Viz Clothing (Any)		Obscured Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Male	218	1253	15%
	Female	1	28	3%
	Total	219	1281	15%

PrivatePedal Cyclists	Male	1831	2648	41%
	Female	197	419	32%
	Total	2028	3067	40%

Public Pedal Cyclists	Male	8	36	18%
	Female	0	6	0%
	Total	8	42	16%

Total Pedal Cyclists	Male	1839	2684	41%
	Female	197	425	32%
	Total	2036	3109	40%

The results show that (15%) of motorcyclists had their high visibility clothing obscured, compared to a higher rate of 40% for private pedal cyclists and 16% for public pedal cyclists.

Compared to 2018, there has been a decrease in obscurity rates for motorcyclists (22% to 15%) and public pedal cyclists (34% to 16%) with a slight increase for private pedal cyclists (38% to 40%).

There is little variation in the obscurity rate by time period as seen in the table below, although PM period tends to show lowest rate throughout.

Type	Time	Obscured Hi-Viz Clothing (Any)		Obscured Hi-Viz wearing rates
		Yes	No	
Motorcyclists	AM	80	343	19%
	INTER	82	391	17%
	PM	57	547	9%
	Total	219	1281	15%

Private Pedal Cyclists	AM	820	1159	41%
	INTER	351	451	44%
	PM	857	1457	37%
	Total	2028	3067	40%

Public Pedal Cyclists	AM	4	21	16%
	INTER	2	5	29%
	PM	2	16	11%
	Total	8	42	16%

Total Pedal Cyclists	AM	824	1180	41%
	INTER	353	456	44%
	PM	859	1473	37%
	Total	2036	3109	40%

The highest rate of wearing obscured high visibility clothing was observed in Cork (38%) for motorcyclists, Region 1 (52%) for private pedal cyclists and Dublin (16%) for public pedal cyclists. Lowest rates for motorcyclists was Dublin 13% and for private pedal cyclists, Region 2, 8%.

Type	Region	Obscured Hi-Viz Clothing (Any)		Obscured Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Cork	18	29	38%
	Dublin	183	1188	13%
	Galway	5	23	18%
	Limerick	6	18	25%
	Region 1	4	13	24%
	Region 2	3	10	23%
	Total	219	1281	15%

Private Pedal Cyclists	Cork	125	125	50%
	Dublin	1663	2597	39%
	Galway	67	137	33%
	Limerick	85	86	50%
	Region 1	84	76	53%
	Region 2	4	46	8%
	Total	2028	3067	40%

Public Pedal Cyclists	Cork	0	1	0%
	Dublin	8	41	16%
	Galway	-	-	-
	Limerick	-	-	-
	Total	8	42	16%

Total Pedal Cyclists	Cork	125	126	50%
	Dublin	1671	2638	39%
	Galway	67	137	33%
	Limerick	85	86	50%
	Region 1	84	76	52%
	Region 2	4	46	8%
	Total	2036	3109	40%

3.6 Helmet Wearing

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing a helmet, by gender:

Type	Gender	Helmet Wearing		Helmet wearing rates
		Yes	No	
Motorcyclists	Male	3966	9	99.8%
	Female	92	0	100%
	Total	4058	9	99.8%

Private Pedal Cyclists	Male	13187	11604	53%
	Female	1796	1412	56%
	Total	14983	13016	54%

Public Pedal Cyclists	Male	201	606	25%
	Female	36	125	22%
	Total	237	731	24%

Total Pedal Cyclists	Male	13388	12210	52%
	Female	1832	1537	54%
	Total	15220	13747	53%

Compared to 2018, there has been an increase in helmet wearing for private pedal cyclists (50% to 54%) and public pedal cyclists (22% to 24%) with no change for Motorcyclists.

For pedal cyclists overall there has been an increase in wearing rates compared to 2018 (53% from 47%).

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing a helmet by time of day:

Type	Time	Helmet Wearing		Helmet wearing rates
		Yes	No	
Motorcyclists	AM	1168	14	99.7%
	INTER	1109	10	99.8%
	PM	1744	22	99.8%
	Total	4021	46	99.8%

Private Pedal Cyclists	AM	5442	3698	60%
	INTER	3129	4062	44%
	PM	6412	5256	55%
	Total	14983	13016	54%

Public Pedal Cyclists	AM	80	192	29%
	INTER	56	316	15%
	PM	101	223	31%
	Total	237	731	24%

Total Pedal Cyclists	AM	5522	3890	59%
	INTER	3185	4378	42%
	PM	6513	5479	54%
	Total	15220	13747	53%

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing a helmet, by region:

Type	Region	Helmet Wearing		Helmet wearing rates
		Yes	No	
Motorcyclists	Cork	173	1	99.4%
	Dublin	3647	4	99.9%
	Galway	91	0	100%
	Limerick	62	2	96.9%
	Region 1	52	1	98.1%
	Region 2	33	1	97.7%
	Total	4058	9	99.8%

Private Pedal Cyclists	Cork	795	974	45%
	Dublin	12985	10386	55%
	Galway	721	620	54%
	Limerick	257	381	40%
	Region 1	126	376	25%
	Region 2	99	279	26%
	Total	14983	13016	53%

Public Pedal Cyclists	Cork	3	11	24%
	Dublin	234	720	24%
	Galway	-	-	-
	Limerick	-	-	-
	Total	237	731	24%

Total Pedal Cyclists	Cork	798	985	45%
	Dublin	13219	11106	54%
	Galway	721	620	54%
	Limerick	257	381	40%
	Region 1	126	376	25%
	Region 2	99	279	26%
	Total	15220	13747	53%

Amongst private pedal cyclists, helmet wearing was highest in Dublin (55%) and an increase from 2018 (53%). Galway was next highest (54%) and showing a significant increase from 2018 (25%). Lowest rates were recorded in Region 1 (25%) for private pedal cyclists.

3.7 High Visibility Wearing (Any) with Helmet Wearing

The table below shows the results of motorcyclists, total pedal cyclists, private pedal cyclists and public pedal cyclists wearing any high visibility clothing and a helmet:

Type	Wearing Both	Hi-Vis Only	Helmet Only	Neither
Motorcyclists (4067)	1496 (36.78%)	4 (0.10%)	2562 (62.99%)	5 (0.12%)
Private Pedal Cyclists (27999)	4152 (15%)	943 (3%)	10831 (39%)	12073 (43%)
Public Pedal Cyclists (968)	45 (5%)	5 (0.5%)	192 (20%)	726 (75%)
Total Pedal Cyclists (28967)	4197 (14%)	948 (3%)	11023 (38%)	12799 (44%)

Approximately 1 in 3 of all motorcyclists wore both high visibility clothing and a helmet.

Amongst private pedal cyclists (15%) wore both high visibility clothing and a helmet, which is a decrease on 2018 (27%).

For Public pedal cyclists 75% wore neither, which is same as 2018.

3.8 Mobile Phone Usage

Surveyors recorded whether pedal cyclists were observed to use a mobile phone while cycling.

The table below shows the results of total pedal cyclists, private pedal cyclists and public pedal cyclists using a handheld mobile, by gender:

Type	Gender	Mobile Phone Usage		Mobile Phone Usage rates
		Yes	No	
Private Pedal Cyclists	Male	41	24750	0.17%
	Female	5	3203	0.16%
	Total	46	27953	0.16%
Public Pedal Cyclists	Male	1	806	0.12%
	Female	0	161	0.00%
	Total	1	967	0.10%
Total Pedal Cyclists	Male	42	25556	0.16%
	Female	5	3364	0.15%
	Total	47	28920	0.16%

When compared to 2018, the overall mobile phone usage rates remain low.

The table below shows the results of total pedal cyclists, private pedal cyclists and public pedal cyclists using a handheld mobile, by time period:

Type	Time	Mobile Phone Usage		Mobile Phone Usage rates
		Yes	No	
Personal Pedal Cyclists	AM	5	9135	0.05%
	INTER	25	7166	0.35%
	PM	16	11652	0.14%
	Total	46	27953	0.16%

Public Pedal Cyclists	AM	0	272	0.00%
	INTER	0	372	0.00%
	PM	1	323	0.31%
	Total	1	967	0.10%

Total Pedal Cyclists	AM	5	9407	0.05%
	INTER	25	7538	0.33%
	PM	17	11975	0.14%
	Total	47	28920	0.16%

There are little variations in mobile phone usage across all time periods.

The table below shows the results of total pedal cyclists, private pedal cyclists and public pedal cyclists using a handheld mobile, by region:

Type	Region	Mobile Phone Usage		Mobile Phone Usage rates
		Yes	No	
Private Pedal Cyclists	Cork	4	1765	0.23%
	Dublin	37	23334	0.16%
	Galway	2	1339	0.15%
	Limerick	0	638	0.00%
	Region 1	3	499	0.60%
	Region 2	0	378	0.00%
	Total	46	27953	0.16%

Total Pedal Cyclists	Cork	4	1779	0.22%
	Dublin	38	24287	0.16%
	Galway	2	1339	0.15%
	Limerick	0	638	0.00%
	Region 1	3	499	0.60%
	Region 2	0	378	0.00%
	Total	47	28920	0.16%

The rates of mobile phone usage for Private pedal cyclists were highest in Region 1 (0.60%) with none recorded in either Limerick or Region 2. There was only one public cyclist in Dublin observed using a mobile phone during the surveys.

Compared to 2018, there has been an increase overall in cyclists using mobile phones (from 0.1% to 0.16%).

3.9 Usage of Earphones

Surveyors also recorded whether pedal cyclists were observed to use earphones while cycling.

The table below shows the results of total pedal cyclists, private pedal cyclists and public pedal cyclists using earphones, by gender:

Type	Gender	Earphone Usage		Earphone Usage rates
		Yes	No	
Private Pedal Cyclists	Male	153	24638	0.62%
	Female	24	3184	0.75%
	Total	177	27822	0.63%
Public Pedal Cyclists	Male	5	802	0.62%
	Female	1	160	0.62%
	Total	6	962	0.62%
Total Pedal Cyclists	Male	158	25440	0.62%
	Female	25	3344	0.74%
	Total	183	28784	0.63%

Earphone usage was similar between private pedal cyclists and public pedal cyclists. Females were more likely than males to be observed using earphones while cycling.

Compared to 2018, there has been a decrease overall in cyclists using earphones (1.6% to 0.63%).

The table below shows the results of total pedal cyclists, private pedal cyclists and public pedal cyclists using earphones, by time period:

Type	Time	Earphone Usage		Earphone Usage rates
		Yes	No	
PrivatePedal Cyclists	AM	30	9110	0.33%
	INTER	103	7088	1.43%
	PM	44	11624	0.38%
	Total	177	27822	0.63%

Public Pedal Cyclists	AM	1	271	0.37%
	INTER	5	367	1.34%
	PM	0	324	0.00%
	Total	6	962	0.62%

Total Pedal Cyclists	AM	31	9381	0.33%
	INTER	108	7455	1.43%
	PM	44	11948	0.37%
	Total	183	28784	0.63%

Overall, earphone usage was highest during the Inter-peak period for all cyclists

The table below shows the results of total pedal cyclists, private pedal cyclists and public pedal cyclists using earphones, by region:

Type	Region	Earphone Usage		Earphone Usage rates
		Yes	No	
Private Pedal Cyclists	Cork	4	1765	0.23%
	Dublin	156	23215	0.67%
	Galway	7	1334	0.52%
	Limerick	6	632	0.94%
	Region 1	4	498	0.80%
	Region 2	0	378	0.00%
	Total	177	27822	0.63%

Public Pedal Cyclists	Cork	0	14	0.00%
	Dublin	6	948	0.63%
	Galway	-	-	-
	Limerick	-	-	-
	Total	6	962	0.62%

Total Pedal Cyclists	Cork	4	1779	0.22%
	Dublin	162	24163	0.67%
	Galway	7	1334	0.52%
	Limerick	6	632	0.94%
	Region 1	4	498	0.80%
	Region 2	0	378	0.00%
	Total	183	28784	0.63%

The highest rate of earphone usage amongst private pedal cyclists was in Limerick (0.94%), followed by Region 1 (0.80%). Amongst public pedal cyclists the highest rate was observed in Dublin (0.63%). Lowest rates were recorded in Cork (0.23%) for both private and public pedal cyclists.

4.0 Conclusions

Compared to 2018, high visibility wearing rates have decreased across all modes.

Motorcyclists are more likely to be wearing some form of High Visibility Clothing compared to private pedal cyclists and public pedal cyclists.

Usage of Reflective high visibility clothing increased across all modes compared to 2018.

The rates of clothing being obscured has decreased for motorcyclists and remained similar for pedal cyclists compared to 2018.

Helmet wearing rates have increased for private pedal cyclists and public pedal cyclists with no change for Motorcyclists.

The incidence of wearing both high visibility clothing and a helmet was lower across all modes compared to 2018.

Rates of mobile phone usage although increased since 2018, remain low.

Usage of Earphones whilst cycling, although higher than mobile phone usage, have decreased since 2018.

Appendix B – Site List

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
C1	N20 / Popes Road	51.9071	-8.4735	Cork	AM	2	0	28	0	1	4	0	35
C2	North Monastery Road / Redemption Road	51.9071	-8.47825	Cork	AM	0	0	10	0	0	1	1	12
C3	St Patricks Quay / Brian Boru Bridge	51.9005	-8.46559	Cork	PM	2	0	90	0	2	2	0	96
C4	Ballyholly Road / Old Youghai Road	51.9093	-8.45498	Cork	Inter	0	0	18	0	9	1	0	28
C5	Glanmire Road Middle / St Christophers Drive	51.9052	-8.44821	Cork	PM	0	0	7	0	1	1	0	9
C6	Griffith Bridge / North Mall	51.9014	-8.47967	Cork	AM	5	0	97	0	1	5	0	108
C8	Coal Quay / St Pauls Avenue	51.9006	-8.47557	Cork	PM	1	0	82	0	4	4	0	91
C9	St Patricks Street / Merchants Quay	51.9003	-8.47048	Cork	AM	2	2	163	0	12	4	0	183
C10	Parnell Bridge / Union Quay	51.8973	-8.46651	Cork	AM	0	0	130	0	3	7	0	140
C11	Barrack Street / Green Street	51.8927	-8.48082	Cork	Inter	1	0	70	0	1	7	0	79
C12	Mount Sion Road / Mount Carmel Road	51.8919	-8.47774	Cork	AM	1	0	24	0	2	1	0	28
C13	College Road / St Clares Avenue	51.8909	-8.49867	Cork	PM	0	0	79	0	3	1	0	83
C14	Evergreen Street / Abbey Street	51.8941	-8.47487	Cork	PM	1	0	91	0	12	5	0	109
C15	Grand Parade / N22	51.898	-8.47541	Cork	AM	9	5	412	0	10	23	2	461
C16	Georges Quay / Parliament Street	51.8956	-8.47249	Cork	PM	0	2	115	0	6	7	1	131
C17	Frenches Quay / Barrack Street	51.8955	-8.47616	Cork	Inter	8	1	118	0	0	5	0	132
C18	South Main Street / Tuckey Street	51.8967	-8.47676	Cork	INTER	7	0	65	0	0	2	0	74
C19	Hartlands Avenue / Glasheen Road	51.8893	-8.49232	Cork	Inter	0	0	34	0	5	3	0	42
C20	Wilton Road / College Road	51.889	-8.50669	Cork	PM	1	0	91	0	2	3	0	97
C21	Lower Glanmire Road/Railway Street	51.9015	-8.46275	Cork	PM	1	4	45	0	3	7	0	60

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
L1	Shelbourne Road / Shelbourne Park	52.67	-8.64025	Limerick	Inter	0	0	36	1	1	1	0	39
L2	Thomond Bridge / Clancy Strand	52.67	-8.62835	Limerick	PM	0	0	37	0	0	5	0	42
L3	Athlunkard Street / Island Road	52.668 8	-8.62085	Limerick	AM	0	0	44	3	0	6	0	53
L4	Old Clare Street / O'Sullivan's Place	52.665 6	-8.61755	Limerick	AM	0	0	9	0	0	3	0	12
L5	Henry Street / Mill Lane	52.661 4	-8.63135	Limerick	Inter	0	0	19	0	0	4	0	23
L6	O'Connell Street / St Gerard Street	52.656 7	-8.63366	Limerick	PM	0	0	79	3	2	1	0	85
L7	Sarsfield Bridge / Harveys Quay	52.664 8	-8.62928	Limerick	Inter	0	0	44	0	0	1	0	45
L8	Parnell Street / Roches Street	52.660 9	-8.62419	Limerick	AM	1	0	84	0	4	6	0	95
L9	Mulgrave Street / Rossa Avenue	52.659 8	-8.61732	Limerick	PM	0	0	57	1	4	0	0	62
L10	Ellen Street / Carr Street	52.664 1	-8.62231	Limerick	PM	0	0	15	0	2	4	0	21
L11	Boherbouy / Careys Road Upper	52.657 4	-8.62642	Limerick	AM	0	0	30	0	0	2	0	32
L12	Roxboro Road / Sexton Street	52.660 3	-8.62084	Limerick	PM	0	0	42	1	1	3	0	47
L13	Dock Road / James Casey Walk	52.659 7	-8.63684	Limerick	PM	0	0	49	1	3	4	0	57
L14	North Circular Road / Roses Avenue	52.665 9	-8.64869	Limerick	Inter	0	0	32	0	0	2	0	34
L15	Condell Road/R464	52.663 4	-8.63955	Limerick	AM	0	0	51	0	1	4	0	56

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
M4	Golden Island	53.4211	-7.93482	Midlands	Inter	0	0	5	0	0	0	0	5
M7	Bridge Street/Church Street in Tullamore	53.2753	-7.49245	Midlands	Inter	0	0	44	0	0	2	0	46
M8	Garrycastle / Moydrun Road	53.4237	-7.90088	Midlands	PM	0	0	20	0	0	2	0	22
M9	R446 outside AIT	53.4176	-7.90734	Midlands	PM	0	0	8	0	0	0	0	8
M1131	Main Street, Greville Arms, Mullingar	53.5259	7.340942	Midlands	AM	0	0	6	0	0	0	0	6

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
G1	Quincentenary Bridge	53.2828	-9.06114	Galway	AM	2	0	117	0	2	4	0	125
G3	Tuam Road / Industrial Estate Road	53.2835	-9.036	Galway	Inter	0	0	76	1	5	7	0	89
G4	Wellpark Road / The Village	53.2831	-9.03051	Galway	PM	1	0	59	0	1	14	0	75
G5	College Road / The Green	53.2771	-9.04066	Galway	AM	0	0	23	0	0	1	0	24
G6	Father Griffin Bridge / Quay Street	53.2705	-9.05456	Galway	Inter	0	0	119	2	4	3	0	128
G7	Prospect Hill / Eyre Square	53.2751	-9.04919	Galway	Inter	1	0	44	0	1	2	0	48
G8	Forster Street / Fairgreen Road	53.2752	-9.04594	Galway	AM	0	0	29	0	4	2	0	35
G9	Mary Street / St Francis Street	53.2749	-9.05299	Galway	Inter	2	0	102	0	3	3	0	110
G10	University Road Bridge / Waterside	53.2757	-9.05532	Galway	Inter	0	0	113	0	0	2	0	115
G11	Shantalla Road / McDara Road	53.2727	-9.06845	Galway	AM	0	0	67	0	0	5	0	72
G12	St Marys Road / Shantalla Road	53.2723	-9.0626	Galway	Inter	0	0	108	1	0	4	0	113
G13	Seapoint Promenade / Grattan Road	53.2638	-9.06878	Galway	Inter	1	0	89	0	0	10	0	100
G14	Newcastle Road Lower / Newcastle Avenue	53.2774	-9.06344	Galway	AM	1	0	73	0	1	1	0	76
G15	Nuns Island / Mill Street	53.2715	-9.05712	Galway	AM	0	0	142	0	1	4	0	147
G16	Circular Road / Bishop O'Donnell Road	53.2739	-9.08065	Galway	Inter	2	0	176	0	4	3	0	185

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
K1	New Road	52.6581	-7.25264	Kilkenny	AM	0	0	29	0	0	0	0	29
K2	College Road (at roundabout)	52.6443	-7.26089	Kilkenny	AM	0	0	22	0	0	1	0	23
K3	Castlecomer Road (near Lenehans Bar)	52.6572	-7.24605	Kilkenny	Inter	0	0	38	0	0	4	0	42
K4	Castle Road	52.6496	-7.24879	Kilkenny	PM	0	0	18	0	0	0	0	18
K7	Grange Road	52.6546	-7.26023	Kilkenny	PM	0	0	19	0	1	0	0	20

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
WA1	The Glen	52.2618	-7.11961	Waterford	AM	4	0	12	0	1	7	0	24
WA3	Barrack Street (Outside Chapel)	52.257	-7.11727	Waterford	AM	0	0	11	0	1	1	0	13
WA4	Stephen Street (Outside St Stephen Monastery National School)	52.2591	-7.11381	Waterford	Inter	0	0	4	0	0	2	0	6
WA5	The Mall (outside The Tower Hotel)	52.2603	-7.10533	Waterford	Inter	0	0	13	0	0	9	0	22
WA6	Parnell Street	52.2574	-7.11163	Waterford	PM	0	0	90	0	0	4	0	94
WA7	Bridge Street	52.264	-7.11908	Waterford	PM	0	0	62	0	2	1	0	65
WA8	Military Road (Outside School)	52.2598	-7.12388	Waterford	AM	0	0	9	0	0	4	0	13
WA9	Bridge Street/Doc k Road	52.26593	-7.11783	Waterford	PM	0	0	60	0	3	4	0	67
WA1134	Waterford, Paddy Brownes Road	52.2502	7.138362	Waterford	PM	0	0	14	0	0	1	0	15
WA1135	Waterford, Inner Ring Rd., Kilbarry	52.2481	7.113928	Waterford	AM	0	0	17	1	1	2	0	21

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
MY1	R148 / Mill Street	53.3827	-6.59421	Maynooth	Inter	1	0	97	1	0	1	0	100
MY2	R148 / Dublin Road	53.3822	-6.58861	Maynooth	AM	1	0	36	3	0	2	0	42
MY3	R406 / R405	53.3752	-6.58794	Maynooth	PM	0	0	49	0	1	6	0	56
MY4	Newtown Road/Meadowbrook Road	53.37572	-6.59661	Maynooth	Inter	0	0	49	0	0	1	0	50

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
NB1	R445 / Station Road	53.1802	-6.79834	Newbridge	AM	0	0	57	0	0	1	0	58
NB2	R445 / Moorefield Road	53.174008	-6.806353	Newbridge	Inter	7	0	9	0	1	7	0	24
NB3	Athgarvan Road / Unnamed Road	53.177747	-6.795114	Newbridge	Inter	0	0	31	0	0	4	0	35

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
KD1	R445 / Cleamore Road	53.157474	-6.913967	Kildare	AM	1	0	11	0	0	3	0	15
KD2	Bride Street / Grey Abbey Road	53.155177	-6.911759	Kildare	PM	0	0	3	0	0	0	0	3
KD3	Dublin Street / Meadow Road	53.155632	-6.906537	Kildare	Inter	0	0	32	0	0	7	0	39

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
D1	Stillorgan Road / Nutley Lane	53.3138	-6.22229	Dublin	AM	2	0	413	1	44	37	1	498
D2	Goatstown Road / Roebuck Road	53.3028	-6.23356	Dublin	AM	3	29	238	0	30	9	0	309
D3	Stillorgan Road / Mount Merrion Avenue	53.2969	-6.20406	Dublin	AM	10	0	442	6	20	20	0	498
D4	Clontarf Road / Watermill Road	53.3742	-6.16465	Dublin	PM	14	22	1004	2	62	49	0	1153
D5	Swords Road / Santry Avenue	53.3975	-6.24509	Dublin	AM	4	0	59	1	4	15	0	83
D8	Ballyfermot Road / Le Fanu Road	53.3425	-6.35617	Dublin	AM	19	8	670	4	19	49	0	767
D10	N4 / Lucan Road	53.354	-6.36776	Dublin	Inter	0	0	175	2	14	35	0	226
D11	Walkinstown Avenue / Walkinstown Road	53.3172	-6.33308	Dublin	AM	0	3	129	0	7	11	0	150
D12	Ratoath Road / Nephin Road	53.3674	-6.30249	Dublin	PM	5	4	172	0	8	10	0	199
D13	Crumlin Road / St Marys Road	53.3253	-6.31726	Dublin	PM	9	0	247	1	19	24	0	300
D14	Martin Grove / Baggot Road	53.3651	-6.31956	Dublin	PM	2	0	380	6	14	12	0	414
D15	Tonlegee Road / Raheny Road	53.3911	-6.16872	Dublin	AM	11	6	186	1	15	15	0	234
D16	Dolphin Road / Herberton Road	53.3337	-6.29858	Dublin	AM	1	29	206	0	12	44	0	292
D17	James St East / Baggot Street Lower	53.3364	-6.24831	Dublin	AM	0	15	208	0	2	18	0	243
D18	Drumcondra Road Upper / Richmond Road	53.3688	-6.25505	Dublin	PM	2	7	26	0	3	10	0	48

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
D19	Chesterfield Avenue / Parkgate Street	53.3482	-6.29647	Dublin	PM	3	25	367	1	21	61	0	478
D20	Blackhall Place / North King Street	53.3501	-6.28175	Dublin	AM	2	0	266	0	23	33	0	324
D21	St John's Road west / Victoria Quay	53.3469	-6.29103	Dublin	AM	5	13	313	0	20	24	0	375
D22	Ormond Quay Lower / Liffey Street Lower	53.3466	-6.26321	Dublin	Inter	8	66	322	1	26	43	0	466
D23	Wellington Quay / Eustace Street	53.3458	-6.26506	Dublin	AM	2	17	266	0	26	15	0	326
D24	Grattan Bridge	53.3457	-6.26781	Dublin	Inter	12	2	219	1	11	15	0	260
D25	O'Connell Street Bridge	53.3473	-6.2591	Dublin	Inter	0	0	549	0	29	24	0	602
D26	St Andrews Street / Trinity Street	53.3436	-6.26175	Dublin	PM	5	0	152	1	6	4	0	168
D27	Parnell Sq West / Parnell Sq North	53.3536	-6.26554	Dublin	AM	7	0	152	1	9	9	2	180
D28	Amiens Street / Memorial Road	53.3493	-6.25164	Dublin	AM	1	32	477	1	28	42	1	582
D29	Bolton Street / Capel Street	53.3512	-6.26995	Dublin	AM	7	0	191	3	7	7	1	216
D30	Cuffe Street, St Stephens Green West	53.3376	-6.26264	Dublin	Inter	27	12	381	8	25	33	0	486
D31	Church Street Upper / Brunswick Street North	53.3508	-6.27428	Dublin	AM	8	0	116	0	6	10	0	140
D32	Redmonds Hill / Bishop Street	53.3384	-6.26612	Dublin	PM	71	372	6690	14	378	652	3	8180
D33	Dame Street / South St Georges Street	53.3442	-6.2645	Dublin	Inter	0	0	25	0	4	34	0	63
D34	Custom House Quay / Butt Bridge	53.3483	-6.25489	Dublin	AM	0	35	273	1	9	39	0	357
D35	Grove Road / Rathmines Road lower	53.33	-6.26437	Dublin	Inter	1	47	428	2	25	25	0	528
D36	North Circular Road / Berkeley Road	53.3606	-6.26964	Dublin	AM	0	19	566	0	16	72	0	673
D37	St Stephens Green north / Kildare Street	53.3389	-6.25657	Dublin	Inter	0	26	396	1	21	52	0	496
D38	College Green, east of Grafton Street	53.3448	-6.25925	Dublin	Inter	22	93	989	0	47	73	1	1225
D40	Merrion Square West / Merrion Square North	53.3412	-6.2507	Dublin	Inter	1	24	237	1	13	39	0	315
D41	Pearse St / Lombard Street East	53.3441	-6.24936	Dublin	PM	0	44	785	1	14	63	2	909
D43	Malahide Road / Mornington Grove	53.3823	-6.20716	Dublin	PM	0	47	410	1	16	31	0	505
D44	Dundrum Road / Churchtown Road	53.2932	-6.24615	Dublin	AM	10	1	319	0	49	41	0	420
D45	Rock Road / Booterstown Avenue	53.3089	-6.19635	Dublin	AM	13	1	188	0	23	25	0	252
D46	Morehampton Road / The Appian Way	53.3287	-6.24685	Dublin	Inter	2	3	273	0	15	14	1	305
D47	Navan Road / Old Cabra Road	53.3616	-6.2981	Dublin	Inter	2	1	398	2	29	36	0	467
D48	N4 / Con Colbert Road	53.3428	-6.32112	Dublin	PM	2	0	109	0	12	12	0	135

Site No.	Location	Lat	Long	Area	Time Period	EBike	Public Bike	Private Bike	Private Bike + Child	Moped /Scooter	M/C	M/C +Pax	Total
D50	Lower Drummartin Road / Eden Park Road	53.2888	-6.2265	Dublin	AM	0	6	231	2	19	32	0	290
D51	Kylemore Road / Ballyfermot Road	53.3424	-6.34881	Dublin	PM	174	0	9495	14	800	772	0	11261
D52	Finglas Road / Old Finglas Road	53.3778	-6.28756	Dublin	PM	3	0	210	0	14	15	0	242
D53	Fairview / Fairview Strand	53.3627	-6.23644	Dublin	PM	0	0	125	2	20	19	0	166
D54	Ratoath Road / Ballybroggan Road	53.377	-6.30946	Dublin	PM	0	0	220	0	18	17	0	255
D55	Shantalla Road / Coolgariff Road	53.3878	-6.2361	Dublin	PM	3	0	61	2	7	3	0	76
D56	North Circular Road / Prussia Street	53.3573	-6.28885	Dublin	Inter	20	3	510	0	85	44	0	662
D58	Griffith Avenue / St Mobhi Road	53.3787	-6.26551	Dublin	PM	0	0	256	0	2	21	0	279
D59	Griffith Avenue / Gracepark Road	53.374	-6.24313	Dublin	PM	9	0	1007	2	45	57	0	1120
D60	Bridge Street Upper / Church Street	53.3452	-6.27587	Dublin	AM	0	96	141	1	6	19	0	263
D61	Harolds Cross	53.3265	-6.2781	Dublin	Inter	4	29	547	1	41	50	0	672
D62	Patrick Street / Bride Road	53.3415	-6.27226	Dublin	PM	10	129	205	0	39	34	0	417
D63	Lime Street / City Quay	53.3464	-6.24354	Dublin	PM	1	162	29	0	41	38	1	272
D64	Templeville Road / Templeogue Road	53.2995	-6.30029	Dublin	Inter	16	6	147	0	22	18	0	209
D65	Grange Road / Nutgrove Avenue	53.2947	-6.28056	Dublin	AM	10	0	176	0	33	29	0	248
D66	Rathgar Road / Highfield Road	53.3122	-6.27407	Dublin	AM	27	0	707	2	102	82	1	921
D67	Main Street/Malahide Road in Swords	53.4565	-6.22148	Dublin	Inter	2	0	74	0	11	13	0	100
D68	Guild Street/ Sheriff Street Upper	53.35065	-6.24101	Dublin	AM	0	53	96	0	1	13	0	163
D69	North Wall Quays/East Link Bridge	53.34677	-6.22741	Dublin	PM	1	0	167	0	14	20	0	202
D70	North Strand Road/Ossory Road	53.35675	-6.24398	Dublin	PM	0	2	166	0	20	17	0	205
D71	North Circular Road/North Road	53.35224	-6.29804	Dublin	PM	0	0	827	0	83	49	2	961
D72	South Circular Road/Emmet Road	53.34067	-6.30764	Dublin	PM	6	16	350	0	5	6	0	383
D73	Parnell Road/Clogher Road	53.33051	-6.28409	Dublin	PM	10	6	162	0	30	31	0	239
D74	Mount Street Lower/Warrington Place	53.33767	-6.24055	Dublin	PM	26	96	704	0	64	57	0	947
D75	Pearse Street/ Grand Canal Quay	53.34247	-6.23885	Dublin	PM	4	272	135	1	16	8	1	436
D1117	Heuston	53.3463	-6.291989	Dublin	PM	1	160	86	1	4	9	0	260
D1136	Phoenix Park	53.3592	-6.323429	Dublin	AM	12	0	445	0	8	24	0	489

Appendix C – Detailed Data Per Region

The total number of observations achieved by region is shown below:

Region	Total	Motorcyclists	Total Pedal Cyclists	Private Pedal Cyclists	Public Pedal Cyclists
Cork	1957 (6%)	174 (4%)	1783 (6%)	1769 (6%)	14 (1%)
Dublin	27976 (85%)	3651 (90%)	24325(84%)	23371 (83%)	954 (99%)
Galway	1432 (4%)	91 (2%)	1341 (5%)	1341 (5%)	-
Limerick	702 (2%)	64 (2%)	638 (2%)	638 (2%)	-
Midlands	87 (0%)	4 (0%)	83 (0%)	83 (0%)	-
Waterford	336 (1%)	43 (1%)	293 (1%)	293 (1%)	-
Kilkenny	132 (0%)	6 (0%)	126 (0%)	126 (0%)	-
Maynooth	246 (1%)	11 (0%)	235 (1%)	235 (1%)	-
Kildare	56 (0%)	10 (0%)	46 (0%)	46 (0%)	-
Newbridge	110 (0%)	13 (0%)	97 (0%)	97 (0%)	-
Total	33034 (100%)	4067 (100%)	28967 (100%)	27999 (100%)	968 (100%)

Type	Region	Wearing Hi-Viz Clothing (Any)		Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Cork	47	127	27%
	Dublin	1371	2280	37%
	Galway	28	63	31%
	Limerick	24	40	37%
	Midlands	1	3	25%
	Waterford	15	28	35%
	Kilkenny	1	5	17%
	Maynooth	5	6	45%
	Kildare	2	8	20%
	Newbridge	6	7	46%
	TOTAL	1500	2567	37%

PrivatePedal Cyclists	Cork	250	1519	14%
	Dublin	4260	19111	18%
	Galway	204	1137	15%
	Limerick	171	467	27%
	Midlands	28	55	34%
	Waterford	115	178	39%
	Kilkenny	17	109	13%
	Maynooth	20	215	8%
	Kildare	18	28	39%
	Newbridge	12	85	12%
	TOTAL	5095	22904	18%

Public Pedal Cyclists	Cork	1	13	7%
	Dublin	49	905	5%
	Galway	-	-	-
	Limerick	-	-	-
	TOTAL	50	918	5%

Total Pedal Cyclists	Cork	251	1532	14%
	Dublin	4309	20016	18%
	Galway	204	1137	15%
	Limerick	171	467	27%
	Midlands	28	55	34%
	Waterford	115	178	39%
	Kilkenny	17	109	13%
	Maynooth	20	215	8%
	Kildare	18	28	39%
	Newbridge	12	85	12%
	TOTAL	5145	23822	18%

Type	Region	Wearing Hi-Viz Clothing (Any)		Reflective Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Cork	47	127	27%
	Dublin	1371	2280	37%
	Galway	28	63	31%
	Limerick	24	40	37%
	Midlands	1	3	25%
	Waterford	15	28	35%
	Kilkenny	1	5	17%
	Maynooth	5	6	45%
	Kildare	2	8	20%
	Newbridge	6	7	46%
	TOTAL	1500	2567	37%

Private Pedal Cyclists	Cork	250	1519	14%
	Dublin	4260	19111	18%
	Galway	204	1137	15%
	Limerick	171	467	27%
	Midlands	28	55	34%
	Waterford	115	178	39%
	Kilkenny	17	109	13%
	Maynooth	20	215	8%
	Kildare	18	28	39%
	Newbridge	12	85	12%
TOTAL	5095	22904	18%	

Public Pedal Cyclists	Cork	1	13	7%
	Dublin	49	905	5%
	Galway	-	-	-
	Limerick	-	-	-
	TOTAL	50	918	5%

Total Pedal Cyclists	Cork	251	1532	14%
	Dublin	4309	20016	18%
	Galway	204	1137	15%
	Limerick	171	467	27%
	Midlands	28	55	34%
	Waterford	115	178	39%
	Kilkenny	17	109	13%
	Maynooth	20	215	8%
	Kildare	18	28	39%
	Newbridge	12	85	12%
	TOTAL	5145	23822	18%

Type	Region	Obscured Hi-Viz Clothing (Any)		Obscured Hi-Viz wearing rates
		Yes	No	
Motorcyclists	Cork	18	29	38%
	Dublin	183	1188	13%
	Galway	5	23	18%
	Limerick	6	18	25%
	Midlands	0	1	0%
	Waterford	4	11	27%
	Kilkenny	0	1	0%
	Maynooth	1	4	20%
	Kildare	0	2	0%
	Newbridge	2	4	33%
	TOTAL	219	1281	15%

Private Pedal Cyclists	Cork	125	125	50%
	Dublin	1663	2597	39%
	Galway	67	137	33%
	Limerick	85	86	50%
	Midlands	16	12	57%
	Waterford	65	50	56%
	Kilkenny	3	14	18%
	Maynooth	1	19	5%
	Kildare	3	15	17%
	Newbridge	0	12	0%
	TOTAL	2028	3067	40%

Public Pedal Cyclists	Cork	0	1	0%
	Dublin	8	41	16%
	Galway	-	-	-
	Limerick	-	-	-
	TOTAL	8	42	16%

Personal Pedal Cyclists	Cork	125	126	50%
	Dublin	1671	2638	39%
	Galway	67	137	33%
	Limerick	85	86	50%
	Midlands	16	12	57%
	Waterford	65	50	56%
	Kilkenny	3	14	18%
	Maynooth	1	19	5%
	Kildare	3	15	17%
	Newbridge	0	12	0%
	TOTAL	2036	3109	40%

Type	Region	Helmet Wearing		Helmet wearing rates
		Yes	No	
Motorcyclists	Cork	173	1	99.4%
	Dublin	3647	4	99.9%
	Galway	91	0	100%
	Limerick	62	2	96.9%
	Midlands	3	1	75%
	Waterford	43	0	100%
	Kilkenny	6	0	100%
	Maynooth	11	0	100%
	Kildare	9	1	90%
	Newbridge	13	0	100%
	TOTAL	4058	9	99.78%

Private Pedal Cyclists	Cork	795	974	45%
	Dublin	12985	10386	55%
	Galway	721	620	54%
	Limerick	257	381	40%
	Midlands	13	70	16%
	Waterford	82	211	28%
	Kilkenny	31	95	25%
	Maynooth	74	161	31%
	Kildare	2	44	4%
	Newbridge	23	74	24%
TOTAL	14983	13016	53%	

Public Pedal Cyclists	Cork	3	11	24%
	Dublin	234	720	24%
	Galway	-	-	-
	Limerick	-	-	-
	TOTAL	237	731	24%

Total Pedal Cyclists	Cork	798	985	45%
	Dublin	13219	11106	54%
	Galway	721	620	54%
	Limerick	257	381	40%
	Midlands	13	70	16%
	Waterford	82	211	28%
	Kilkenny	31	95	25%
	Maynooth	74	161	31%
	Kildare	2	44	4%
	Newbridge	23	74	24%
	TOTAL	15220	13747	52%

Type	Region	Mobile Phone Usage		Mobile Phone Usage rates
		Yes	No	
Private Pedal Cyclists	Cork	4	1765	0.23%
	Dublin	37	23334	0.16%
	Galway	2	1339	0.15%
	Limerick	0	638	0%
	Midlands	1	82	1.20%
	Waterford	2	291	0.68%
	Kilkenny	0	126	0%
	Maynooth	0	235	0%
	Kildare	0	46	0%
	Newbridge	0	97	0%

	TOTAL	46	27953	0.16%
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Public Pedal Cyclists	Cork	0	14	0%
	Dublin	1	953	0.10%
	Galway	-	-	-
	Limerick	-	-	-
	TOTAL	1	967	0.10%

Total Pedal Cyclists	Cork	4	1779	0.22%
	Dublin	38	24287	0.16%
	Galway	2	1339	0.15%
	Limerick	0	638	0%
	Midlands	1	82	1.20%
	Waterford	2	291	0.68%
	Kilkenny	0	126	0%
	Maynooth	0	235	0%
	Kildare	0	46	0%
	Newbridge	0	97	0%
	TOTAL	47	28920	0.16%

Type	Region	Earphone Usage		Earphone Usage rates
		Yes	No	
Private Pedal Cyclists	Cork	4	1765	0.23%
	Dublin	156	23215	0.67%
	Galway	7	1334	0.52%
	Limerick	6	632	0.94%
	Midlands	2	81	2.41%
	Waterford	1	292	0.34%
	Kilkenny	1	125	0.79%
	Maynooth	0	235	0%
	Kildare	0	46	0%
	Newbridge	0	97	0%
	TOTAL	177	27822	0.63%

Public Pedal Cyclists	Cork	0	14	0%
	Dublin	6	948	0.63%
	Galway	-	-	-
	Limerick	-	-	-
	TOTAL	6	962	0.62%

Total Pedal Cyclists	Cork	4	1779	0.22%
	Dublin	162	24163	0.67%
	Galway	7	1334	0.52%
	Limerick	6	632	0.94%
	Midlands	2	81	2.41%
	Waterford	1	292	0.34%
	Kilkenny	1	125	0.79%
	Maynooth	0	235	0%
	Kildare	0	46	0%
	Newbridge	0	97	0%
	TOTAL	183	28784	0.63%

Appendix D – Location Information

Site	Location	A cycle Lane
C1	N20 / Popes Road	
C2	North Monastery Road / Redemption Road	
C3	St Patricks Quay / Brian Boru Bridge	X
C4	Ballyholly Road / Old Youghai Road	
C5	Glanmire Road Middle / St Christophers Drive	
C6	Griffith Bridge / North Mall	X
C8	Coal Quay / St Pauls Avenue	X
C9	St Patricks Street / Merchants Quay	X
C10	Parnell Bridge / Union Quay	X
C11	Barrack Street / Green Street	
C12	Mount Sion Road / Mount Carmel Road	
C13	College Road / St Clares Avenue	
C14	Evergreen Street / Abbey Street	
C15	Grand Parade / N22	
C16	Georges Quay / Parliament Street	
C17	Frenches Quay / Barrack Street	X
C18	South Main Street / Tuckey Street	X
C19	Hartlands Avenue / Glasheen Road	
C20	Wilton Road / College Road	
C21	Lower Glanmire Road/Railway Street	X

Site	Location	A cycle Lane
M4	Golden Island	
M7	Bridge Street/Church Street in Tullamore	
M8	Garrycastle / Moydrun Road	X
M9	R446 outside AIT	
M1131	Main Street, Greville Arms, Mullingar	

Site	Location	A cycle Lane
KD1	R445 / Cleamore Road	
KD2	Bride Street / Grey Abbey Road	
KD3	Dublin Street / Meadow Road	

Site	Location	A cycle Lane
WA1	The Glen	
WA3	Barrack Street (Outside Chapel)	
WA4	Stephen Street (Outside St Stephen Monastery National School)	
WA5	The Mall (outside The Tower Hotel)	
WA6	Parnell Street	
WA7	Bridge Street	X
WA8	Military Road (Outside School)	
WA9	Bridge Street/Dock Road	
WA1134	Waterford, Paddy Brownes Road	
WA1135	Waterford, Inner Ring Rd., Kilbarry	X

Site	Location	A cycle Lane
K1	New Road	
K2	College Road (at roundabout)	X
K3	Castlecomer Road (near Lenehans Bar)	
K4	Castle Road	
K7	Grange Road	

Site	Location	A cycle Lane
L1	Shelbourne Road / Shelbourne Park	
L2	Thomond Bridge / Clancy Strand	
L3	Athlunkard Street / Island Road	
L4	Old Clare Street / O'Sullivan's Place	
L5	Henry Street / Mill Lane	
L6	O'Connell Street / St Gerard Street	
L7	Sarsfield Bridge / Harveys Quay	
L8	Parnell Street / Roches Street	
L9	Mulgrave Street / Rossa Avenue	
L10	Ellen Street / Carr Street	
L11	Boherbouy / Careys Road Upper	
L12	Roxboro Road / Sexton Street	
L13	Dock Road / James Casey Walk	
L14	North Circular Road / Roses Avenue	
L15	Condell Road/R464	

Site	Location	A cycle Lane
MY1	R148 / Mill Street	X
MY2	R148 / Dublin Road	
MY3	R406 / R405	X
MY4	Newtown Road/Meadowbrook Road	X

Site	Location	A cycle Lane
G1	Quincentenary Bridge	X
G3	Tuam Road / Industrial Estate Road	
G4	Wellpark Road / The Village	
G5	College Road / The Green	
G6	Father Griffin Bridge / Quay Street	
G7	Prospect Hill / Eyre Square	
G8	Forster Street / Fairgreen Road	
G9	Mary Street / St Francis Street	
G10	University Road Bridge / Waterside	
G11	Shantalla Road / McDara Road	
G12	St Marys Road / Shantalla Road	
G13	Seapoint Promenade / Grattan Road	
G14	Newcastle Road Lower / Newcastle Avenue	
G15	Nuns Island / Mill Street	
G16	Circular Road / Bishop O'Donnell Road	X

Site	Location	A cycle Lane
NB1	R445 / Station Road	
NB2	R445 / Moorefield Road	
NB3	Athgarvan Road / Unnamed Road	X

Site	Location	A cycle Lane
D1	Stillorgan Road / Nutley Lane	X
D2	Goatstown Road / Roebuck Road	X
D3	Stillorgan Road / Mount Merrion Avenue	X
D4	Clontarf Road / Watermill Road	
D5	Swords Road / Santry Avenue	X
D8	Ballyfermot Road / Le Fanu Road	
D10	N4 / Lucan Road	X
D11	Walkinstown Avenue / Walkinstown Road	
D12	Ratoath Road / Nephin Road	
D13	Crumlin Road / St Marys Road	X
D14	Martin Grove / Baggot Road	
D15	Tonlegee Road / Raheny Road	
D16	Dolphin Road / Herberton Road	X
D17	James St East / Baggot Street Lower	
D18	Drumcondra Road Upper / Richmond Road	X
D19	Chesterfield Avenue / Parkgate Street	X
D20	Blackhall Place / North King Street	X
D21	St John's Road west / Victoria Quay	X
D22	Ormond Quay Lower / Liffey Street Lower	X
D23	Wellington Quay / Eustace Street	X
D24	Grattan Bridge	
D25	O'Connell Street Bridge	X
D26	St Andrews Street / Trinity Street	X
D27	Parnell Sq West / Parnell Sq North	X
D28	Amiens Street / Memorial Road	X
D29	Bolton Street / Capel Street	X
D30	Cuffe Street, St Stephens Green West	X
D31	Church Street Upper / Brunswick Street North	X
D32	Redmonds Hill / Bishop Street	X
D33	Dame Street / South St Georges Street	X
D34	Custom House Quay / Butt Bridge	X
D35	Grove Road / Rathmines Road lower	X
D36	North Circular Road / Berkeley Road	X
D37	St Stephens Green north / Kildare Street	X
D38	College Green, east of Grafton Street	X

Site	Location	A cycle Lane
D40	Merrion Square West / Merrion Square North	X
D41	Pearse St / Lombard Street East	X
D43	Malahide Road / Mornington Grove	X
D44	Dundrum Road / Churchtown Road	X
D45	Rock Road / Booterstown Avenue	X
D46	Morehampton Road / The Appian Way	X
D47	Navan Road / Old Cabra Road	X
D48	N4 / Con Colbert Road	X
D50	Lower Drummartin Road / Eden Park Road	X
D51	Kylemore Road / Ballyfermot Road	X
D52	Finglas Road / Old Finglas Road	X
D53	Fairview / Fairview Strand	X
D54	Ratoath Road / Ballybroggan Road	X
D55	Shantalla Road / Coolgariff Road	
D56	North Circular Road / Prussia Street	X
D58	Griffith Avenue / St Mobhi Road	X
D59	Griffith Avenue / Gracepark Road	X
D60	Bridge Street Upper / Church Street	X
D61	Harolds Cross	X
D62	Patrick Street / Bride Road	X
D63	Lime Street / City Quay	X
D64	Templeville Road / Templeogue Road	X
D65	Grange Road / Nutgrove Avenue	X
D66	Rathgar Road / Highfield Road	X
D67	Main Street/Malahide Road in Swords	
D68	Guild Street/ Sheriff Street Upper	X
D69	North Wall Quays/East Link Bridge	X
D70	North Strand Road/Ossory Road	X
D71	North Circular Road/North Road	
D72	South Circular Road/Emmet Road	X
D73	Parnell Road/Clogher Road	X
D74	Mount Street Lower/Warrington Place	X
D75	Pearse Street/ Grand Canal Quay	X
D1117	Heuston	X
D1136	Phoenix Park	X