Annual Cycling Monitoring Report 2020









Data sources

Scottish Household Survey Travel Diary 2018

Scotland's People Annual Report: Results from the 2018 Scottish Household Survey

Transport Scotland analysis of Scottish Household Survey

Reported Road Casualties 2018

Hands Up Scotland Survey 2018 (Sustrans Scotland)

Living Streets Scotland

Transport and Travel in Scotland 2018

Scottish Transport Statistics 2018

Transport Scotland

Scottish Household Survey 2018 Local Authority Analysis

Cycling Scotland

Local authorities

Cycling Scotland

Annual Cycling Monitoring Report 2020

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Statistics by local authority



The Annual Cycling Monitoring Report tracks and reports on key information on everyday cycling in Scotland, delivering on Action 18* of the Cycling Action Plan for Scotland (CAPS).

This report includes data from January 2009 to December 2018, providing a national picture of cycling behaviour, road safety, access to bikes and attitudes to cycling as well as snapshots of cycling at a local level. The data provided in this report has been sourced from the Scottish Household Survey, Reported Road Casualties and Transport and Travel in Scotland research. You can see a full list of sources on page 3.

As we publish this report in 2020, we are in the middle of the Covid-19 global pandemic and recording significant increases in people cycling across the country. The impact of the pandemic on cycling in Scotland is still to be fully understood and we will report on these changes next year.

Key highlights

Since 2010, cycling main mode, cycling participation, cycling to work at least regularly, cycling to work as a main mode for short journeys, cycling to school and total amount of cycling have all increased.

Mode share

 1.4% of people cycled as a main mode of travel in 2018. This figure averaged 1.4% between 2016–2018 and 1.0% between 2009–2011.

Cycling to work

5.3% of people cycled to work at least regularly. This is an increase from 2017. In 2011,
4.2% of people cycled to work at least regularly.

Cycling to school

• **5.2%** of primary school pupils and **1.4%** of secondary school pupils cycled to school. In 2011, the respective figures were **4.0%** and **1.3%**.

Participation in cycling

 13% of people said that they had participated in at least 30 minutes of cycling within the four weeks prior. In 2012–14, the figure was 10%. This included 17% of men and 9% of women.

Frequency of cycling

- 5.9% of people cycled as a means of transport in the previous 7 days (8.6% of men and 3.4% of women).
- **6.5%** of people cycled just for pleasure or to keep fit in the previous 7 days.
- **10.5%** of people in further/higher education cycled as a means of transport in previous 7 days.
- 9.8% of people who live in small remote towns cycled at least once a week as a means of transport.

Total amount of cycling

• **313 million** vehicle kilometres were cycled on all roads by pedal cycles in 2018.

Access to bikes

• **34.7%** of households in Scotland have access to one or more bikes for private use.

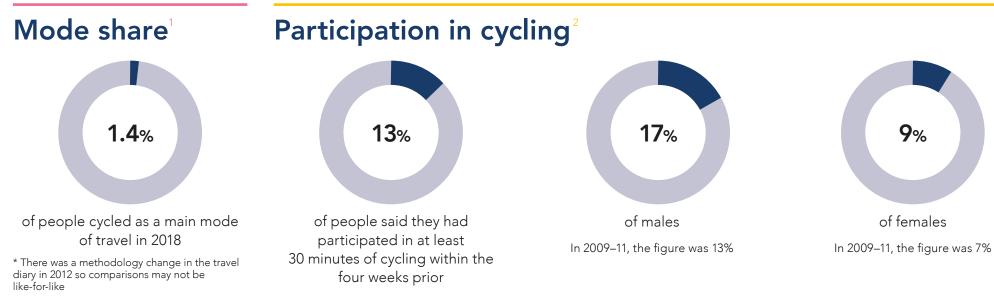
Safety

• In 2018, **6** people were killed and **156** were seriously injured while cycling.

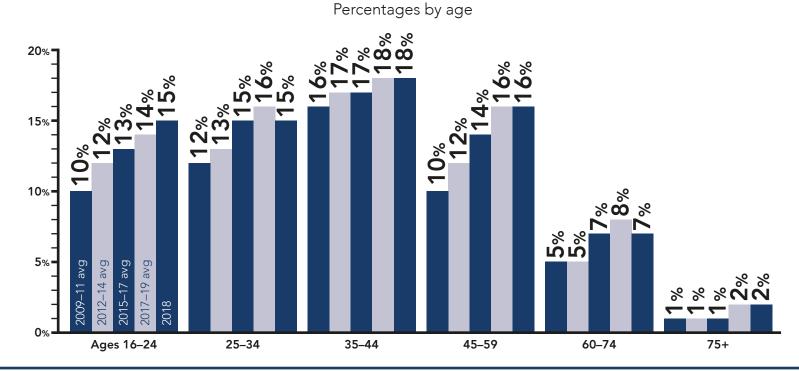
Attitudes

- The top 5 reasons given for not cycling to work were:
 - Journey too far (**33.3%**)
 - Too many cars on the road (18.2%)
 - Weather too cold/wet/windy (16.2%)
 - Traffic travels too fast (12.4%)
 - Do not have a bike (11.9%)
- The top 5 reasons make up **92%** of all reasons for not cycling to work.

* Action 18 states that the CAPS Delivery Forum should agree a suite of national indicators to inform the national picture of cycling participation, to be reported annually.



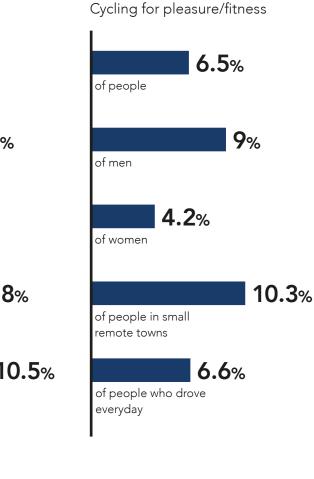
In 2009–11, the figure was 9%



1 Source: Scottish Household Survey Travel Diary 2018 [Table TD2]. 2 Source: Scotland's People Annual Report: Results from the 2018 Scottish Household Survey.

Frequency of cycling journeys (in previous 7 days)³

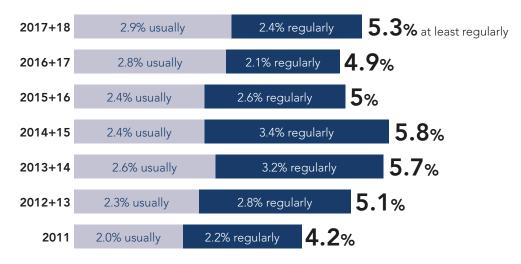
Cycling for transport 5.9% of people 8.6% of men 3.4% of women 9.8% of people in small remote towns 10.5% of people in further/ higher education



3 Source: Scottish Household Survey 2018 [Table 25a]. This question is asked biannually with the most recent results being from 2016. The question was first asked in 2014. This question was missed in 2018, so latest data available is from 2016 – https://www.transport.gov.scot/media/45852/sct09199889061.pdf 4 Source: Scottish Household Survey 2018 with additional information from Transport Scotland. Confidence intervals for 2017/18 survey data: 90% (+/- 0.5%); 95% (+/- 0.5%). 5 Source: Transport Scotland analysis of Scottish Household Survey.

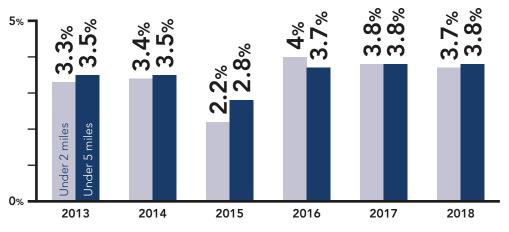
Cycling to work⁴

Percentage of adults who 'usually' or 'regularly' cycle to work



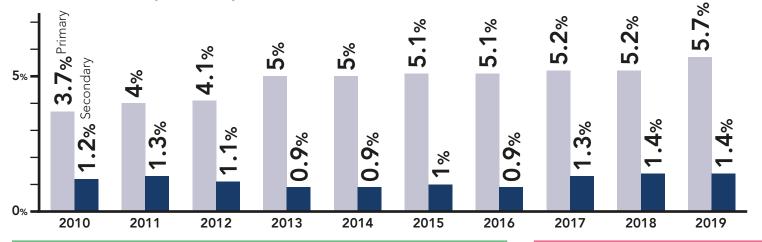
Main mode of commuting to work – shorter commutes⁵

These stats examine cycling's mode share for commuting to work when commutes are under 5 miles and under 2 miles

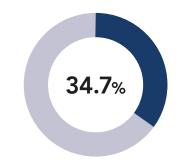


Cycling to school⁶

These figures show the percentage of children who answered "bicycle" when asked "How do you normally travel to school?"



Access to bikes⁷

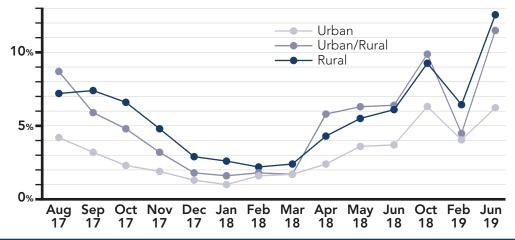


of households in Scotland have access to one or more bikes for private use in 2018

Travel Tracker[®]

Travel Tracker is a project by Living Streets Scotland which allows pupils to log the mode they used to travel to school that day

This section takes a slice of the Travel Tracker data to examine the cycling trends in an Urban, Urban/Rural and Rural local authority over a school year.



Total amount of cycling[°]

Averages

313 million

vehicle km were cycled on all roads by pedal cycles in 2018*

* The methodology used to calculate this figure

was revised in 2016 so comparisons cannot be

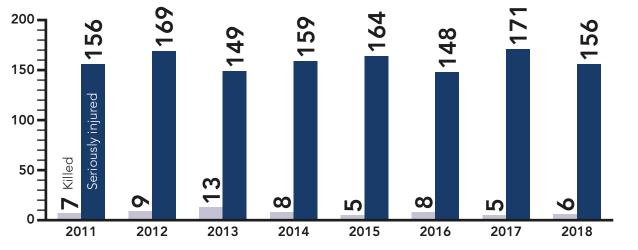
made beyond this point.

2016–18 avg	297mil
2015–17 avg	307mil
2014–16 avg	333mil
2013–15 avg	347mil
2012–14 avg	336mil
2011–13 avg	315mil
2010–12 avg	304mil

6 Hands Up Scotland Survey 2019 [Table 2.3]. 7 Source: Transport and Travel in Scotland 2018 - LA Analysis [Table 8] 8 Source: Living Streets Scotland.. 9 Source: Reported Road Casualties 2018 [Table 13]

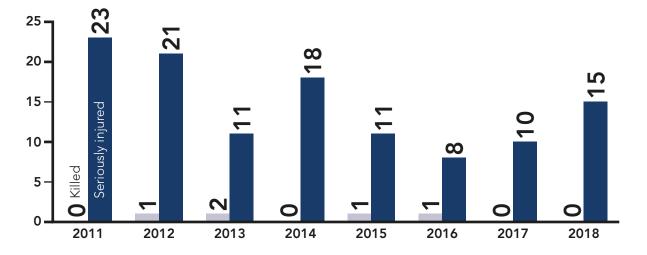
Safety¹⁰

Number of people killed or seriously injured



The average number of people seriously injured for 2005–2008 was 131, compared to 160 for 2015–2018

Number of children killed or seriously injured



10 Source: Reported Road Casualties 2018 [Table A]. 11 Source: Transport and Travel in Scotland 2018 [Table 26]

Attitudes¹¹

Reasons for not cycling to work (2014)*

33.3% Too far to cycle

2010–14 average 35.9%

18.2% Too many cars on the road 2010–14 average 14.1%

16.2% Weather too cold/wet/windy 2010–14 average 18.9%

12.4% Traffic travels too fast 2010–14 average 11.5%

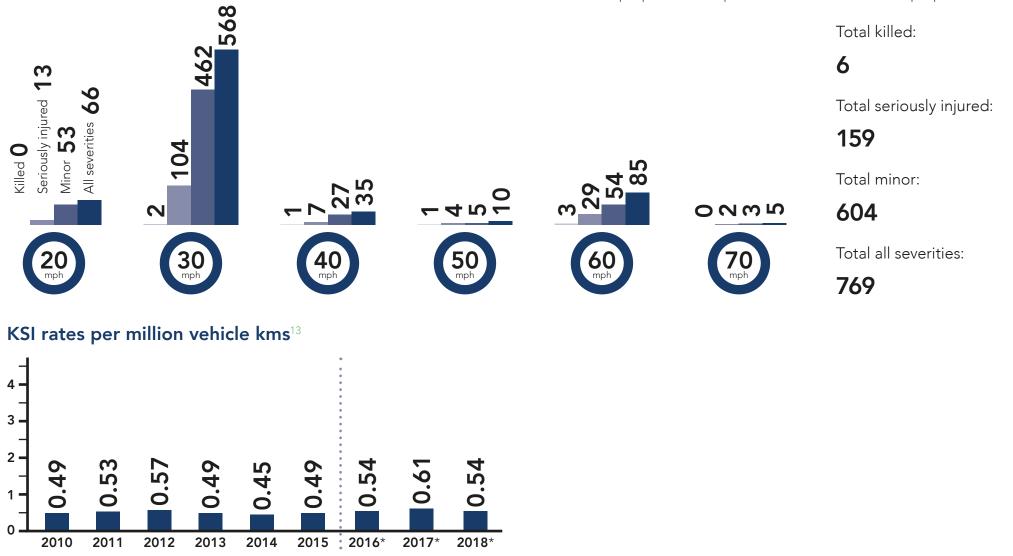
11.9% Do not have a bike 2010–14 average 13.6%

* The question was moved to biennial in 2014 and was omitted from the 2016 survey in error. 2014 is the latest available data.

Other key facts and figures

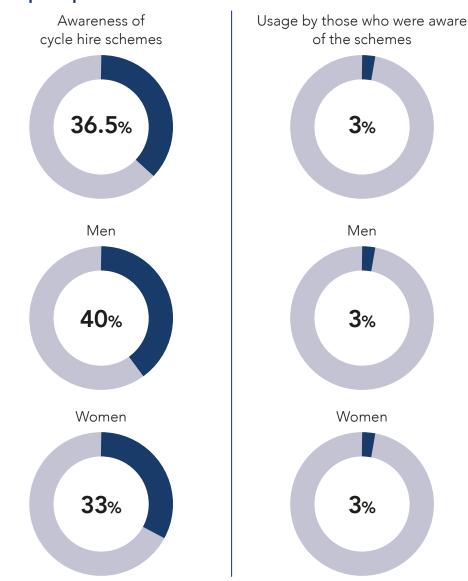
Reported casualties by speed limit (2014–2018 average)¹²

On average between 2014 and 2018, there were 66 reported casualties of all severities in areas with a 20mph speed limit compared with 568 in areas with a 30mph speed limit.



* Cycle vehicle km calculations were revised in 2016 so comparisons cannot be made beyond this point.

12 Source: Reported Road Casualties 2018 [Table 33]. 13 Source: Reported Road Casualties 2018 [Table 13].

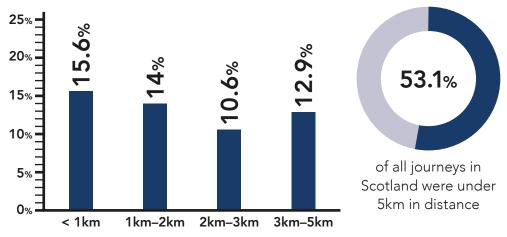


Awareness and uptake of sustainable

transport policies¹⁴

Just over a third of people who were asked were aware of cycle hire schemes. Of these people, 3% had used them

Distance travelled – journeys under 5km¹⁵



Vehicles involved in reported injury crashes¹⁶

In 2018, cars & taxis were involved in 86.7% of crashes involving a pedal cycle despite making up 75.1% of traffic volume.

On average since 2003, cars & taxis have been involved in 85.5% of crashes involving a pedal cycle.

On average since 2003, Light Goods Vehicles made up 13.2% of traffic volume and were involved in 6% of crashes involving a pedal cycle. On average between 2003 and 2005, LGVs made up 11.3% of traffic volume and were involved in 3.8% of crashes involving pedal cycles.

On average between 2015 and 2018, LGVs made up 15.4% of traffic volume and were involved in 8.1% of crashes involving a pedal cycle.

In 2018, the volume of car traffic was 6% higher than in 2008, light good vehicles traffic 30% higher, but heavy good vehicle traffic was 5.5% lower.¹⁷

14 Source: Transport and Travel in Scotland 2018 [Tables 46 & 47]. 15 Source: Scottish Household Survey Travel Diary 2018 [Table TD4]. 16 Source: Reported Road Casualties 2018, with additional analysis by Transport Scotland. 17 Source: Scottish Transport Statistics 2019 (Table 5.3).



The Local section of the Annual Cycling Monitoring Report 2020 examines all the local authorities across Scotland and highlights statistics based on headline trends, workplaces and schools.

The datasets, their sources and any other related information are located below.

Headline trends and context

1. Proportion of journeys under 5km

Source: Scottish Household Survey 2018: Local Area Analysis. [Table 19] – Transport Scotland.

This dataset shows the proportion of journeys within the local authority that are less than 5km. 5km represents a key distance for focus on potential modal shift to active travel as the average cycling journey is 4.7km in length.

2. Households with access to one or more bikes for private use

Source: Scottish Household Survey 2018: Local Area Analysis. [Table 8] – Transport Scotland.

This dataset indicates the percentage of households that have access to one or more bicycles for private use. These figures have a slightly larger sample size than cycle to work usually or regularly.

3. Households with no access to a car for private use

Source: Scottish Household Survey 2018: Local Area Analysis. [Table 4] – Transport Scotland.

This dataset indicates the percentage of households that do not have access to a car for private use. These figures have a slightly larger sample size than cycle to work usually or regularly.

Work

4. Cycle to work usually or regularly

Source: Scottish Household Survey 2018 with further information from Transport Scotland.

This dataset indicates the total percentage of adults 'usually' or 'regularly' cycling to work in each local authority. Confidence intervals are included to show possible range of figures.

5. Number of Cycling Friendly Employers and employees

Source: Cycling Scotland 2019/20.

This dataset shows the number of Cycling Friendly Employers within a local authority and the number of staff that are covered. Cycling Friendly Employer is a nationally recognised award for Scottish employers committed to increasing levels of cycling.

Schools

6. Children cycling to primary school

Source: Hands Up Survey Scotland 2018. [Table 3.3] – Sustrans Scotland.

This dataset shows the percentage of children who answered "cycle" when asked the question "How do you normally travel to school?" as part of the Hands Up Scotland Survey.

7. Children cycling to secondary school

Source: Hands Up Survey Scotland 2018. [Table 3.3] – Sustrans Scotland.

This data shows the percentage of children who answered "cycle" when asked the question "How do you normally travel to school?" as part of the Hands Up Scotland Survey.

2018 report available on sustrans.org.uk [Table 6–4].

8. Number of Cycling Friendly Schools and pupils

Source: Cycling Scotland 2019/20.

This dataset shows the number of Cycling Friendly Schools within a local authority and the number of pupils that are covered. Cycling Friendly Schools is a nationally recognised award for Scottish schools committed to increasing levels of cycling.

9. Percentage of primary schools providing Level 2 Bikeability Scotland training

Source: Data provided by local authorities.

Bikeability Scotland is a cycle training scheme designed to give children the skills and confidence they need to cycle safely on the roads and to encourage them to carry on cycling into adulthood. Argyll & Bute, East Ayrshire and North Ayrshire Councils each deliver their own cycle training product.

Active travel budget

Source: Information provided by local authorities.

This dataset indicates the active travel budget of local authorities in 2018/19.

Method of financial calculations will vary by council. Figures provided by LA may not capture full spend.

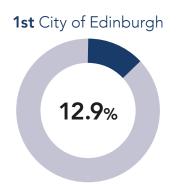
Local area specific highlights

Cycling to work¹⁸

Top 5 local authorities for Cycling to work usually/regularly

Compared to the national figure of 5.5%

Confidence interval range – 95% CI (+/-)



Possible range 95% CI (+/-) 10%-15.8%

2nd Highland

Possible range 95% CI (+/-) 7.2%–16.4%

3rd Angus

Possible range 95% CI (+/-) 3.3%–10.1%	

4th Dumfries and Galloway

	6.7%
Possible range 95% CI (+/-) 3.7%–9.7%	

5th Dundee City

6.7%

11.8%

6.7%

Possible range 95% CI (+/-) 1.6%-11.8%

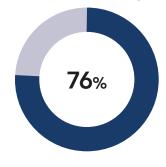
18 Source: Data provided by Transport Scotland 19 Source: Scottish Household Survey 2018 Local Authority Analysis [Table 19]

Journeys under 5km¹⁹

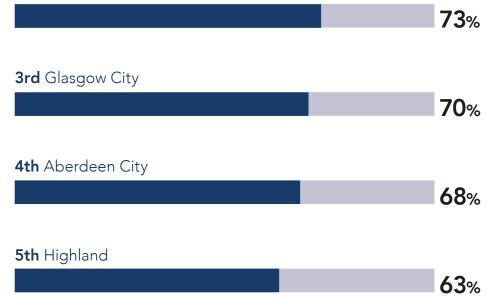
The top 5 local authorities by percentage of journey under 5km

Figures reported in 2018 SHS publication have been rounded to the nearest whole % (different from previous years where has been to one decimal place)

1st Dundee City



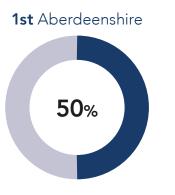
2nd City of Edinburgh



Areas with access to bikes²⁰

The top 5 local authorities that have access to at least one bike for private use

Figures reported in 2018 SHS publication have been rounded to the nearest whole % (different from previous years where has been to one decimal place)



2nd Moray



3rd Perth and Kinross



Areas with no access to a car²¹

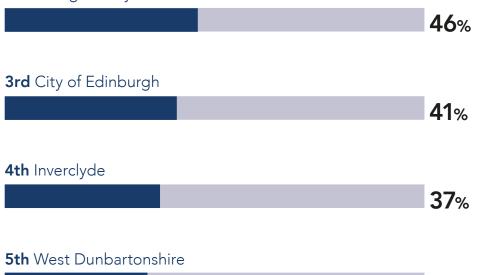
1st Dundee City

46%

The top 5 local authorities that have no access to a car for private use

Figures reported in 2018 SHS publication have been rounded to the nearest whole % (different from previous years where has been to one decimal place)

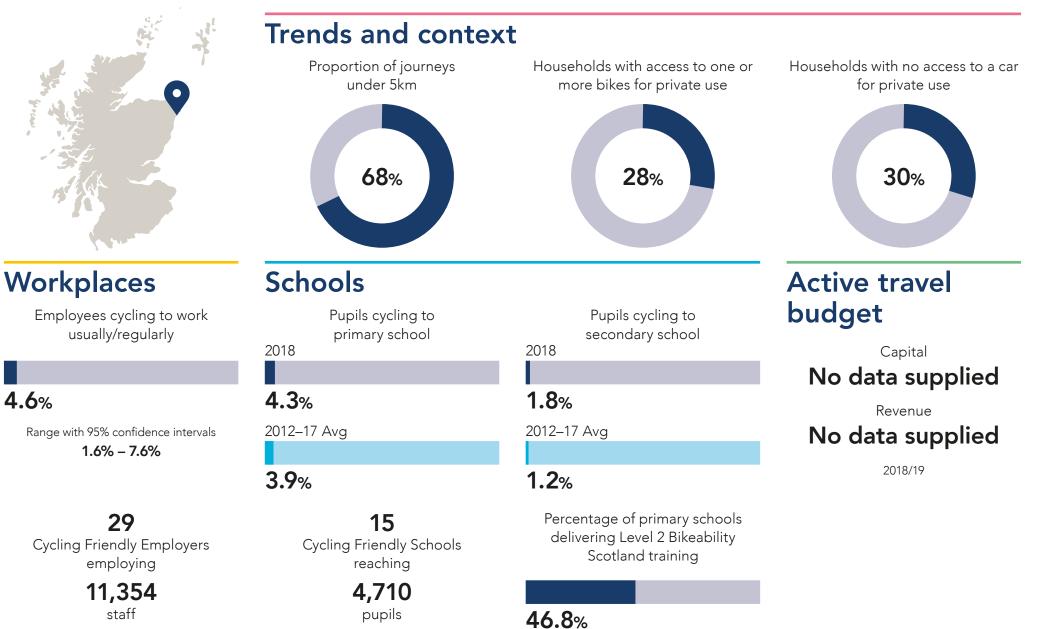
2nd Glasgow City



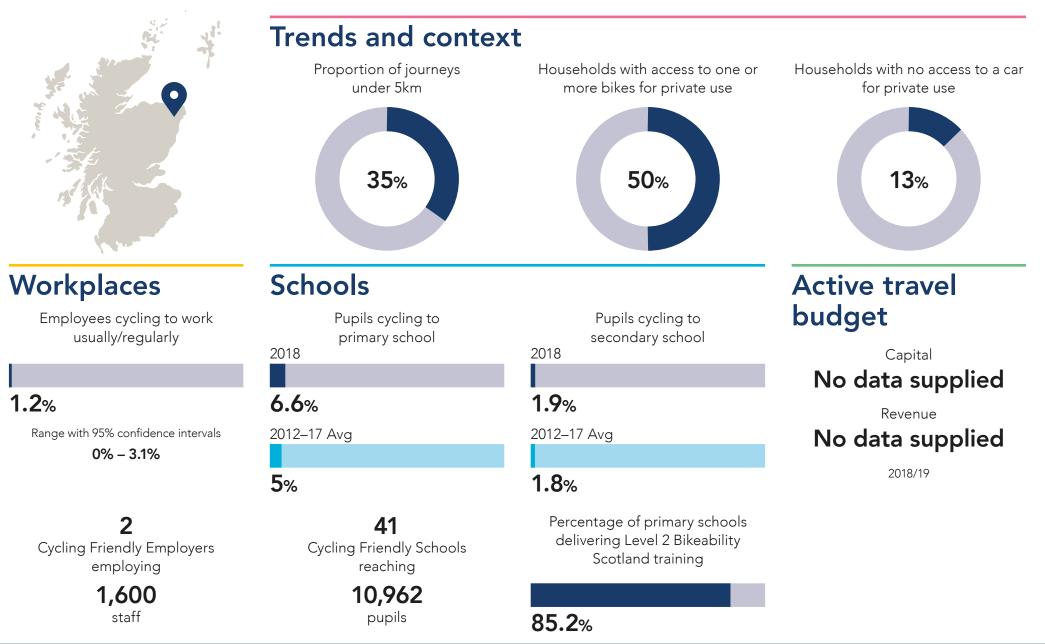
20 Source: Scottish Household Survey 2018 Local Authority Analysis [Table 8] 21 Source: Scottish Household Survey 2018 Local Authority Analysis [Table 4]

34%

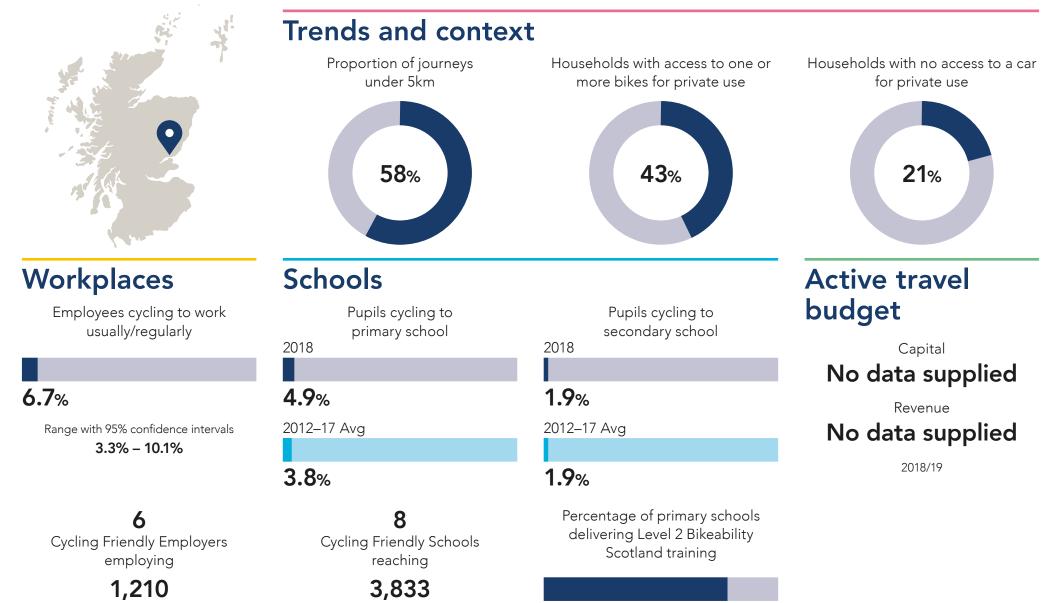
Aberdeen City



Aberdeenshire



Angus

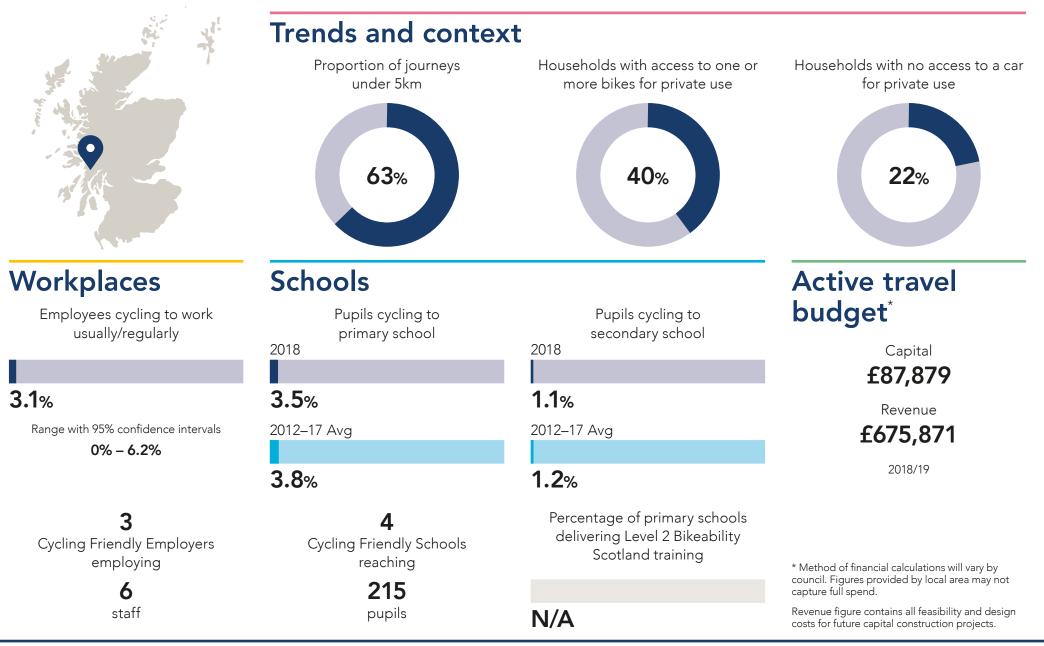


78.4%

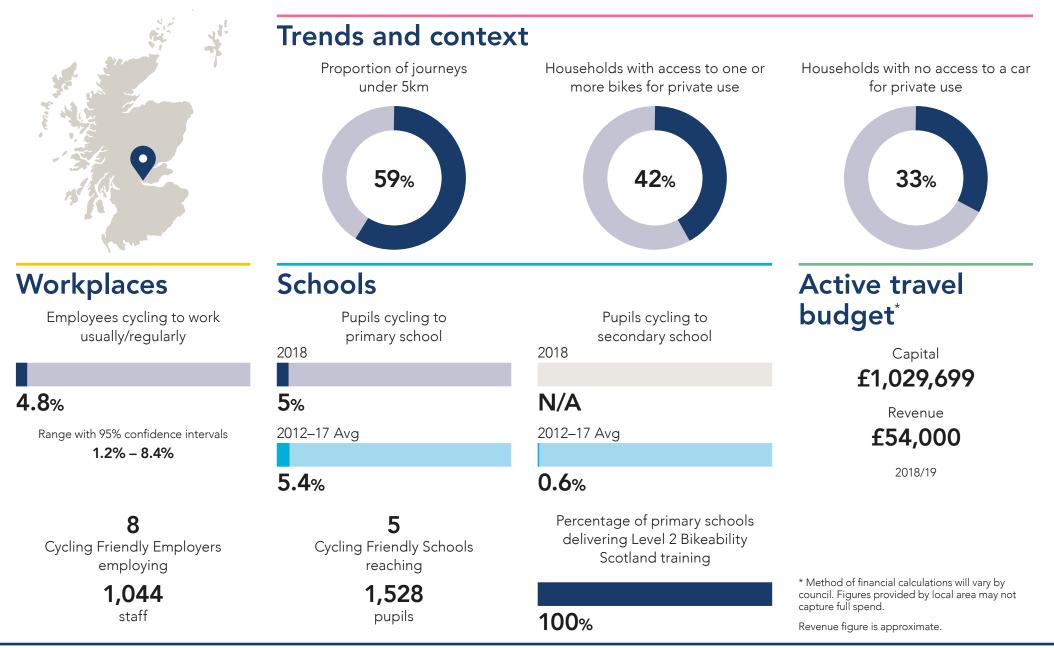
pupils

staff

Argyll & Bute



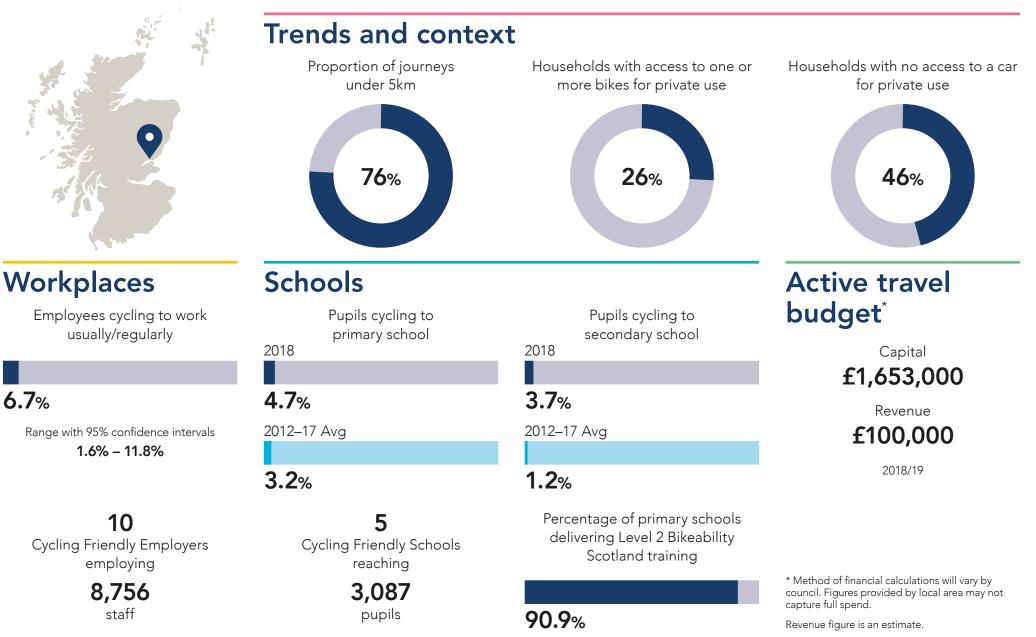
Clackmannanshire



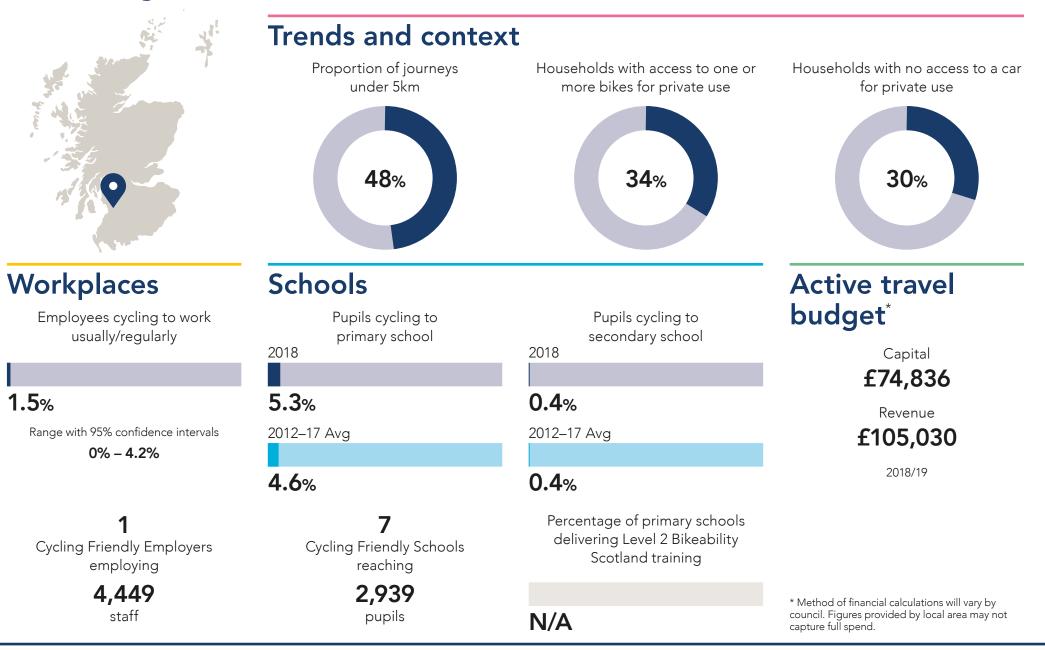
Dumfries & Galloway

	Trends and conte	v+	
And the second sec	Proportion of journeys under 5km	Households with access to one or more bikes for private use	Households with no access to a car for private use
	60%	43%	21%
Workplaces	Schools		Active travel
Employees cycling to work usually/regularly	Pupils cycling to primary school	Pupils cycling to secondary school	budget [*]
usualiy/regulariy	2018	2018	Capital
6.7%	5.2 %	1.8%	£1,404,500
Range with 95% confidence intervals 3.7% – 9.7%	2012–17 Avg	2012–17 Avg	Revenue £360,000
5.7 /0 - 7.7 /0	5.8%	1.3%	2018/19
3 Cycling Friendly Employers employing	31 Cycling Friendly Schools reaching	Percentage of primary schools delivering Level 2 Bikeability Scotland training	
3,377 staff	6,215 pupils	35.7 %	* Method of financial calculations will vary by council. Figures provided by local area may not capture full spend. Approximate figures (both capital and revenue).

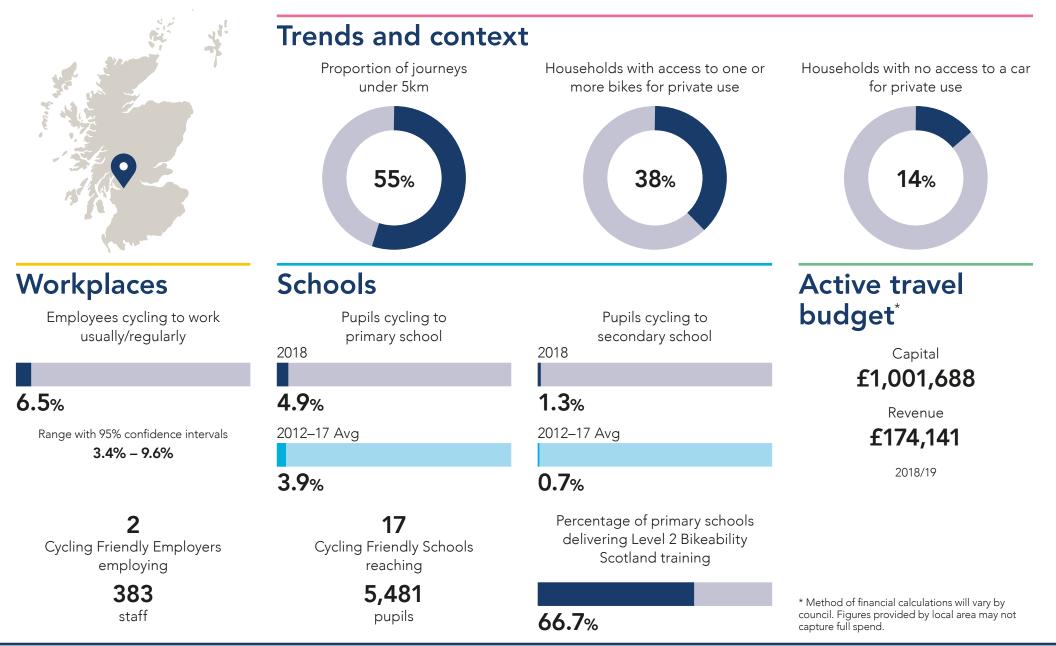
Dundee City



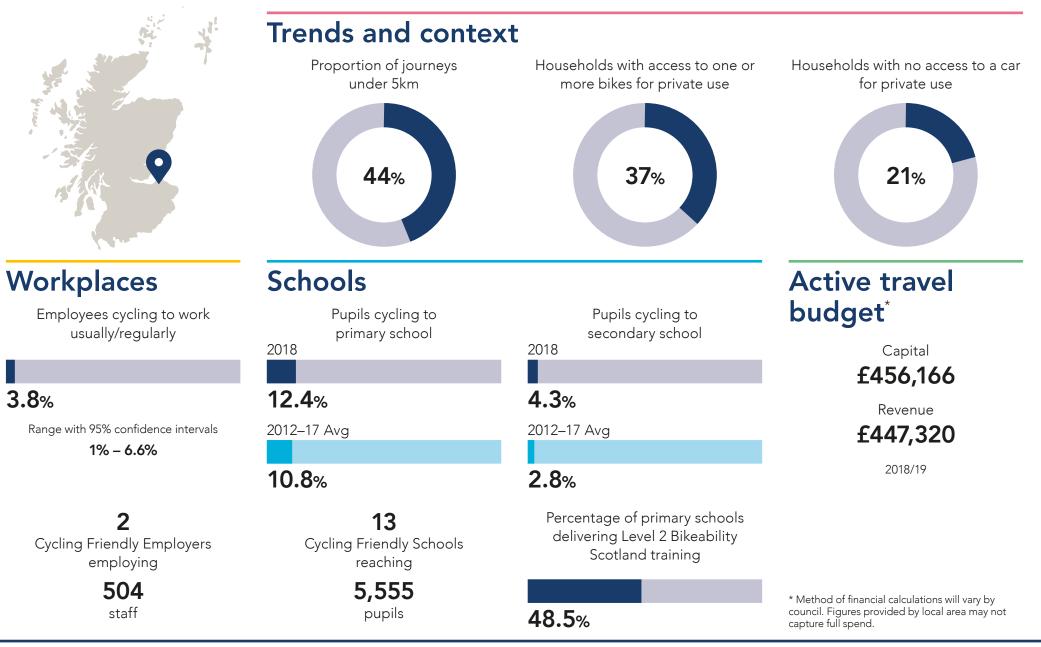
East Ayrshire



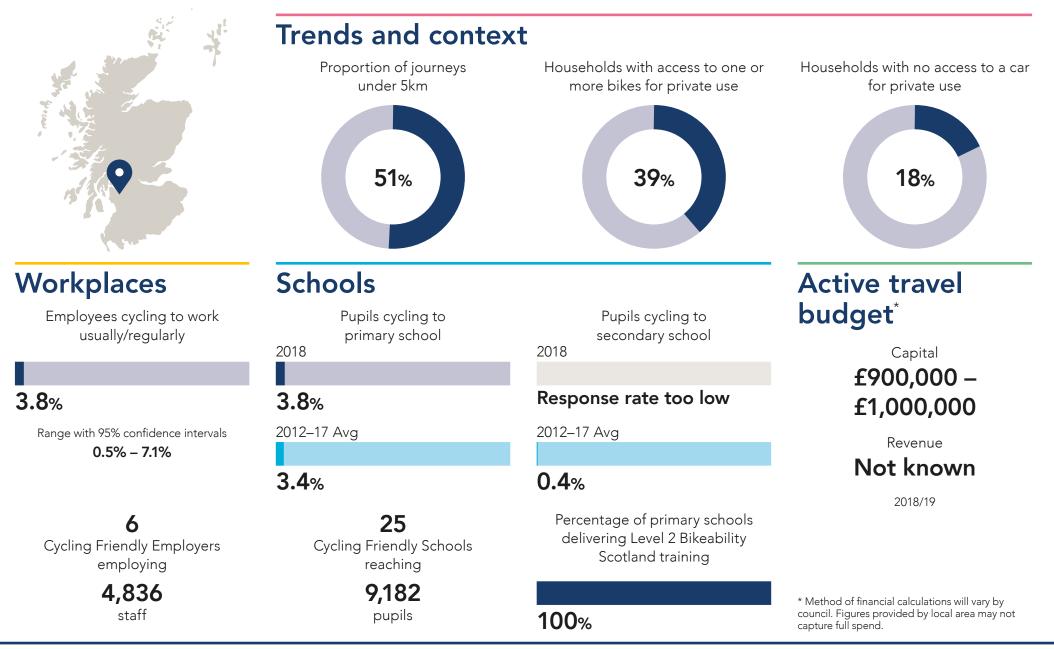
East Dunbartonshire



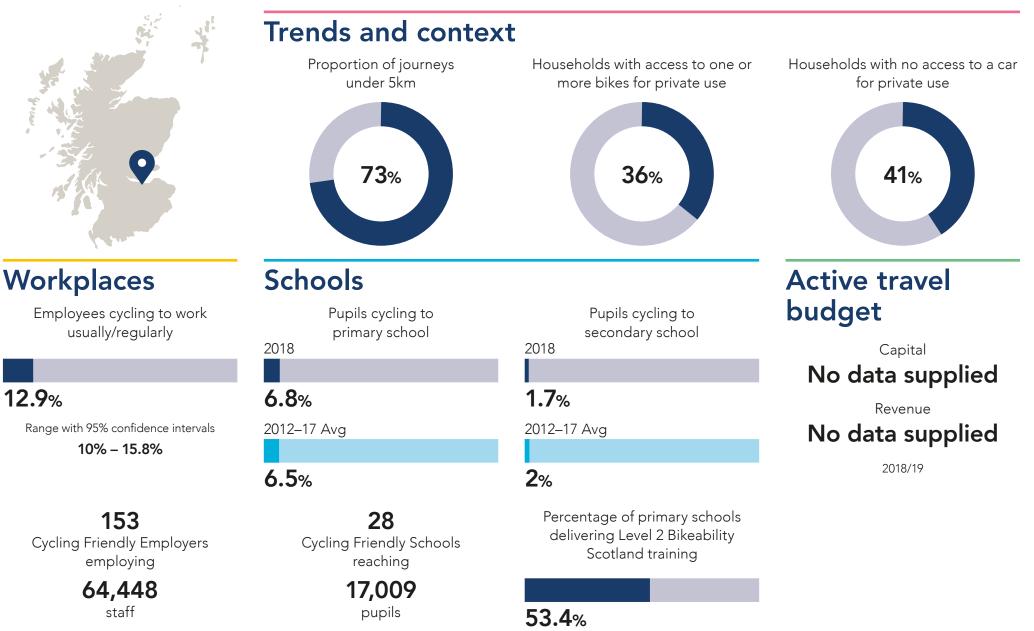
East Lothian



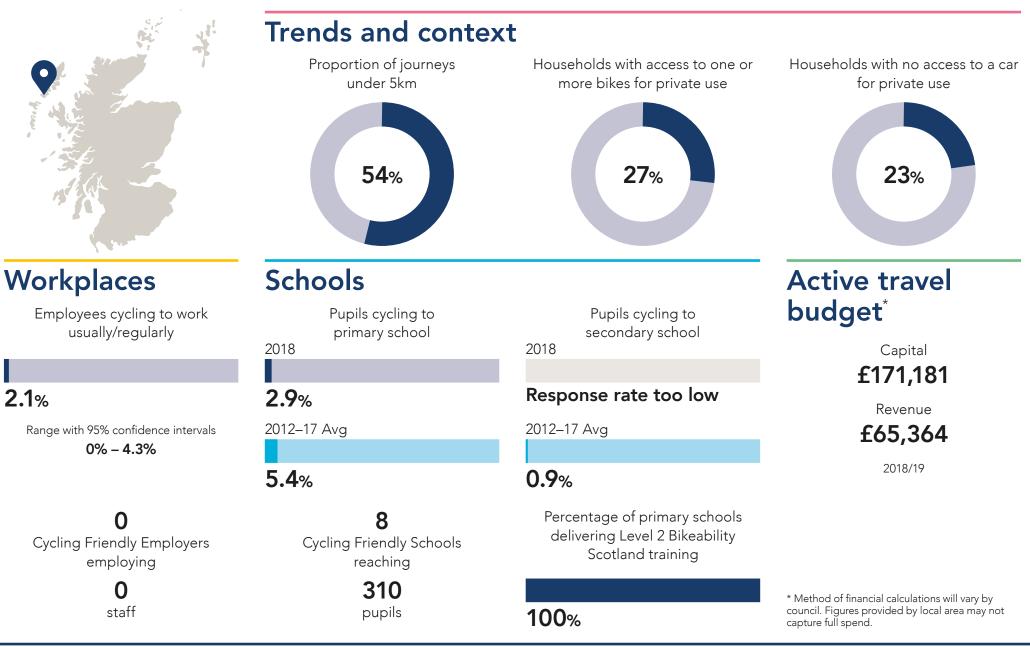
East Renfrewshire



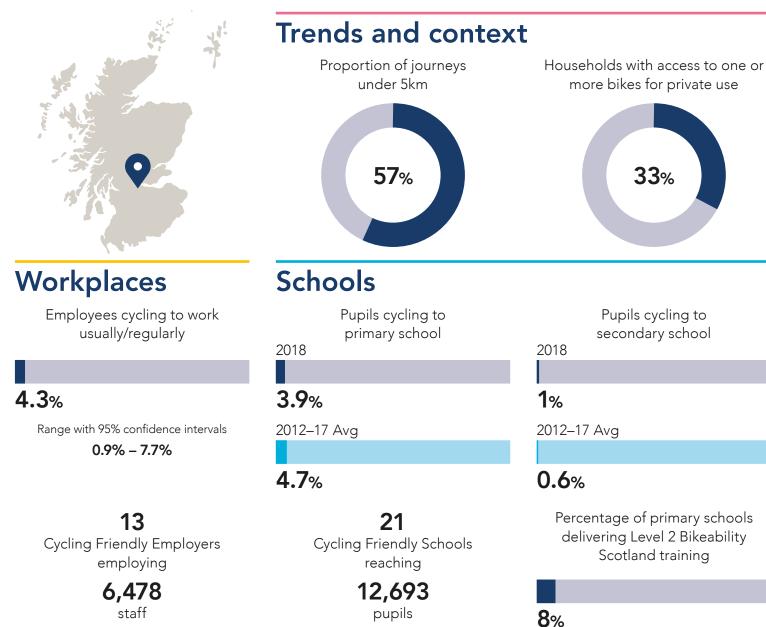
Edinburgh, City Of



Eilean Siar



Falkirk



Households with no access to a car

for private use

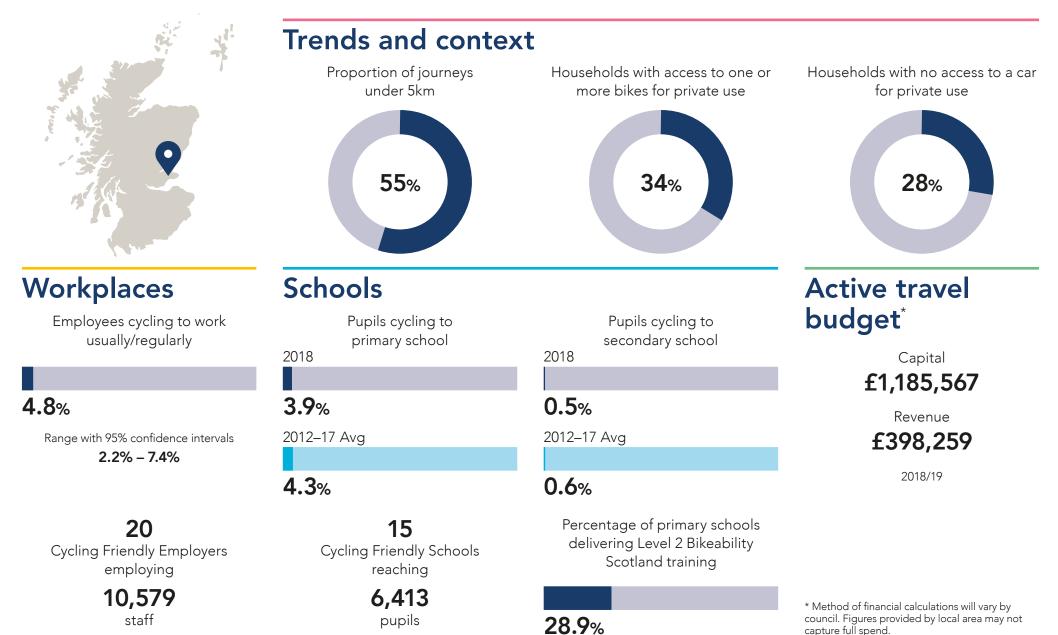
23%

Active travel budget

Capital No data supplied Revenue No data supplied

2018/19

Fife

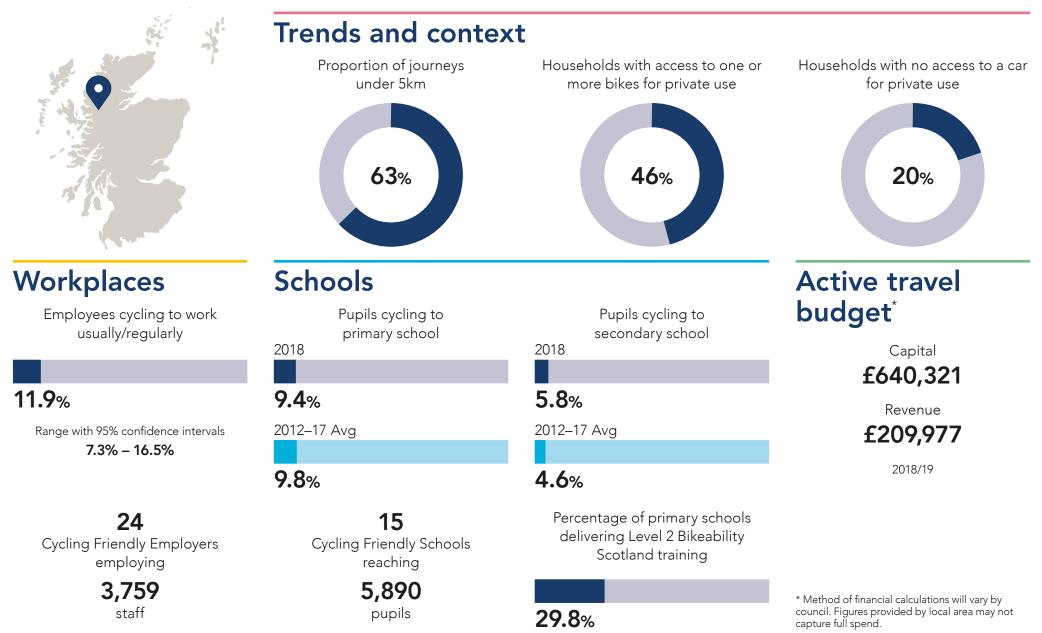


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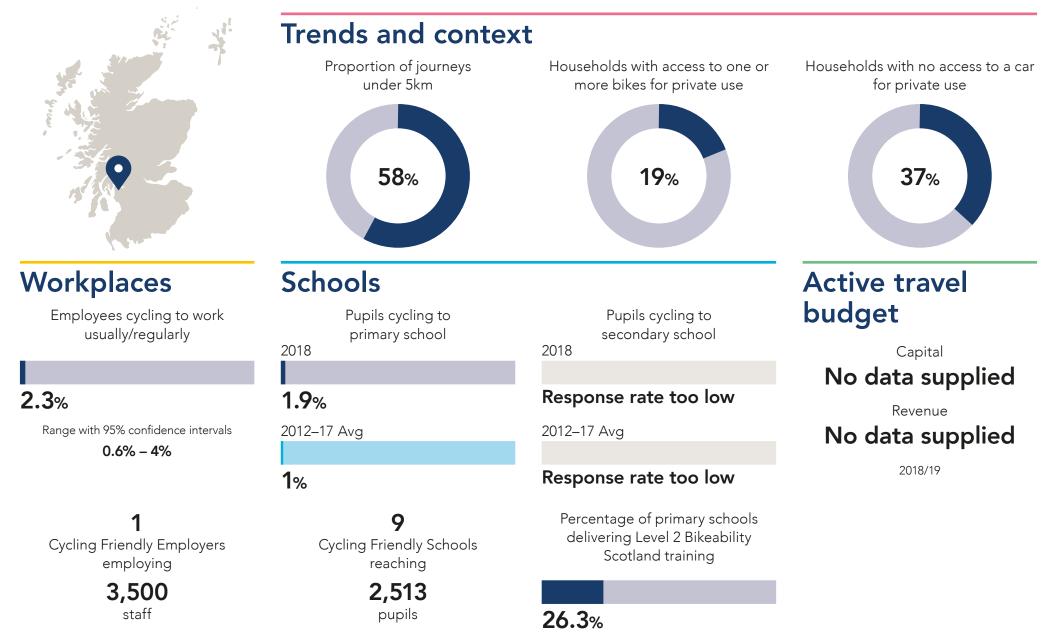
Glasgow City

	Trends and conte	xt	
	Proportion of journeys under 5km	Households with access to one or more bikes for private use	Households with no access to a car for private use
	70%	26%	46%
Workplaces	Schools		Active travel
Employees cycling to work usually/regularly	Pupils cycling to primary school	Pupils cycling to secondary school	budget
	2018	2018	Capital No data supplied
6%	4.8%	1.4 %	Revenue
Range with 95% confidence intervals 4.1% – 7.9%	2012–17 Avg	2012–17 Avg	No data supplied
4.1% – 7.9%	3.5%	0.6%	2018/19
176 Cycling Friendly Employers employing	21 Cycling Friendly Schools reaching	Percentage of primary schools delivering Level 2 Bikeability Scotland training	
77,377	7,687		
staff	pupils	34.1 %	

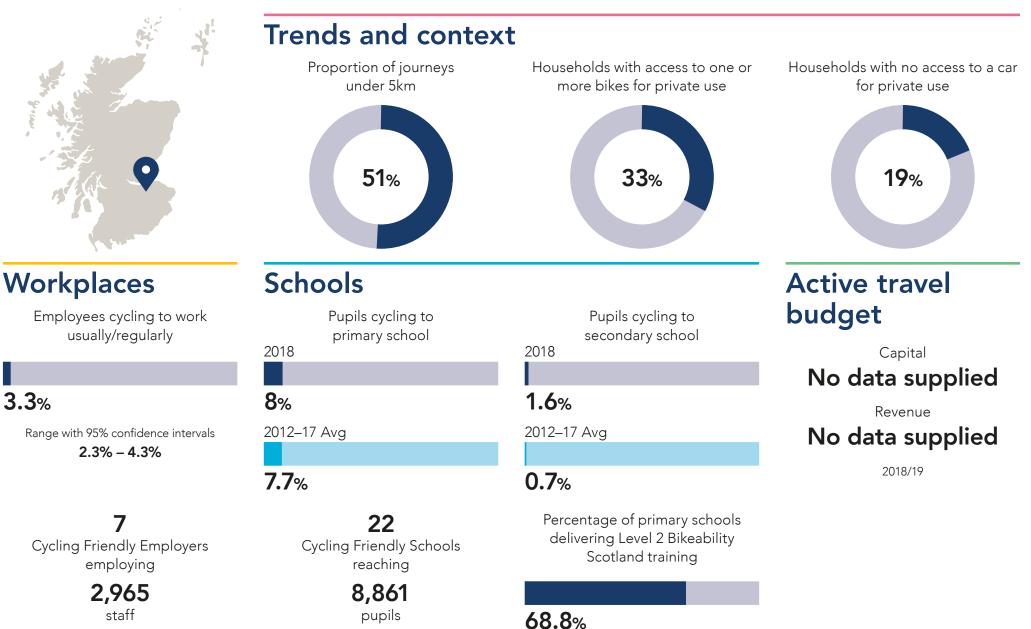
Highland



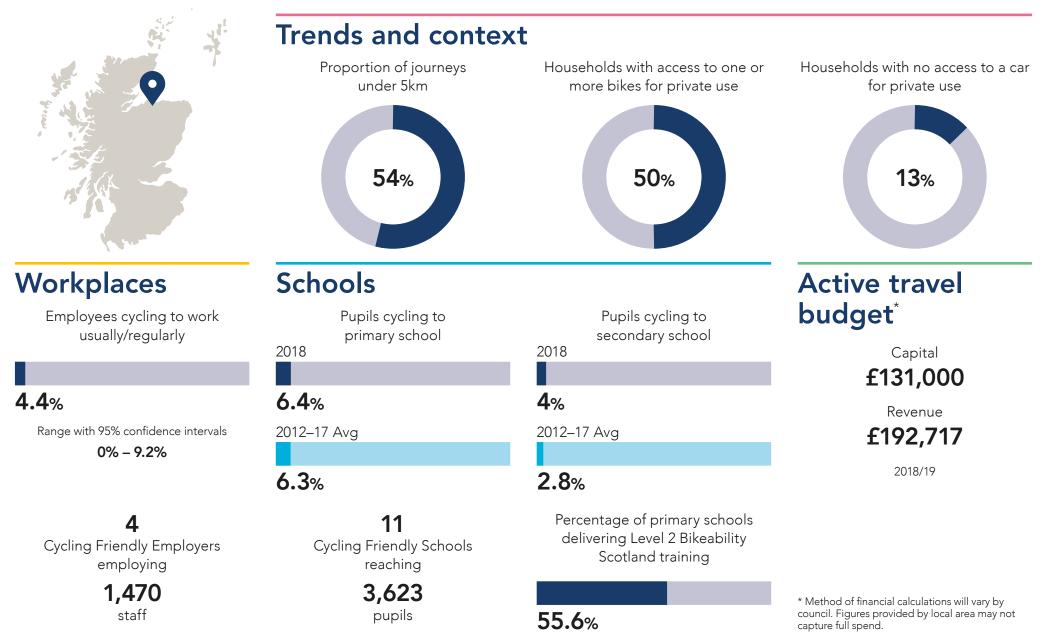
Inverclyde



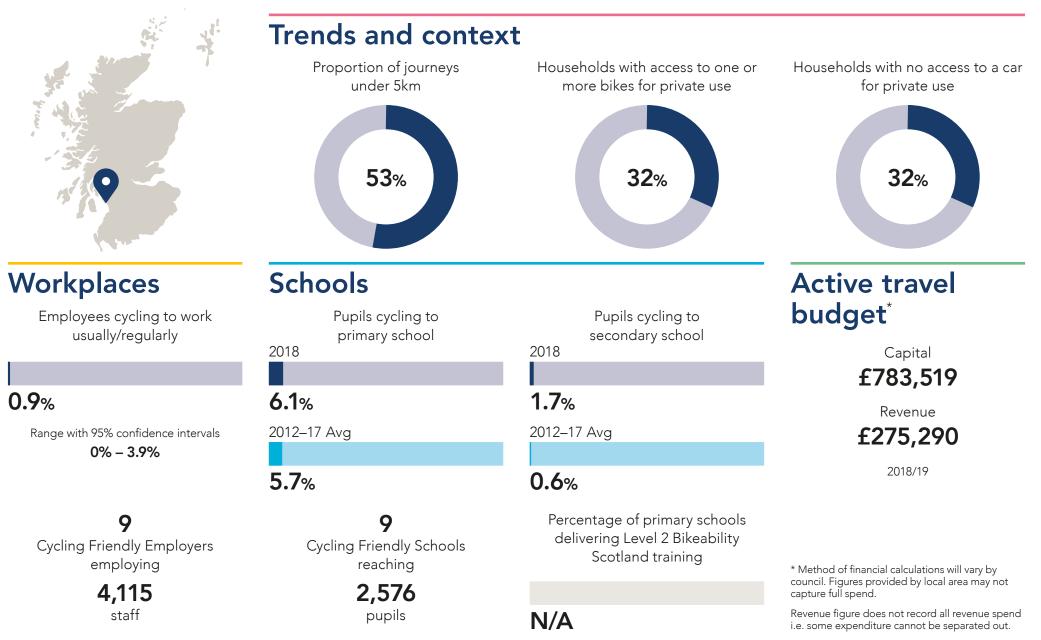
Midlothian



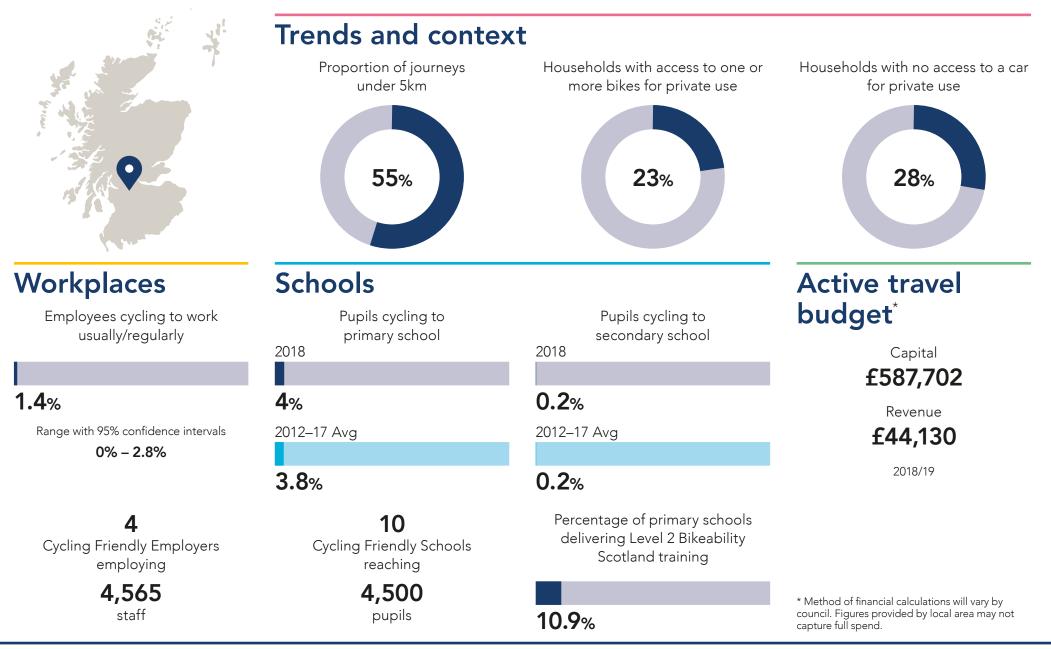
Moray



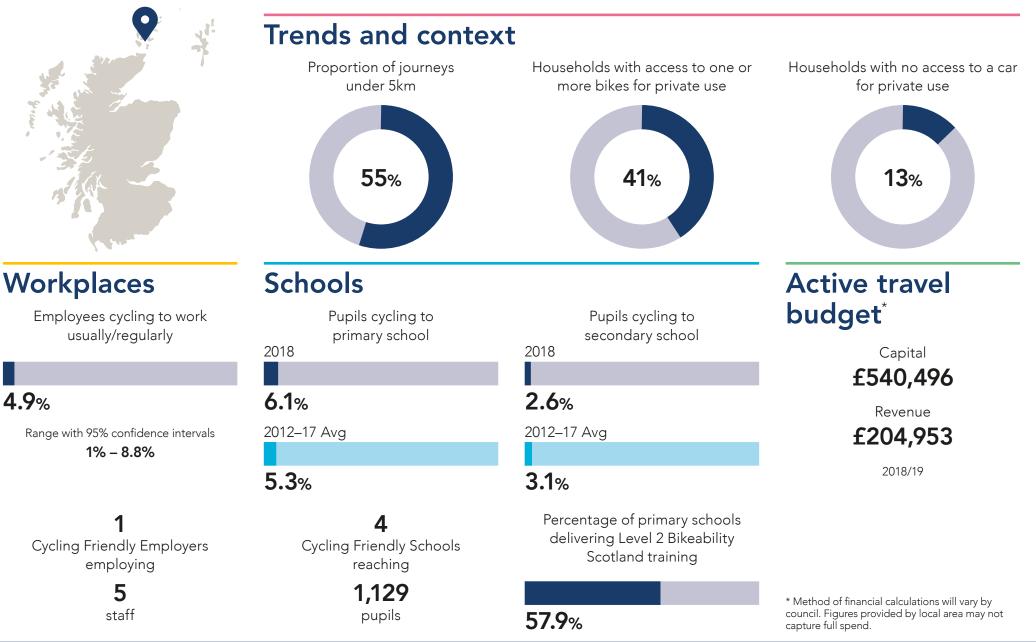
North Ayrshire



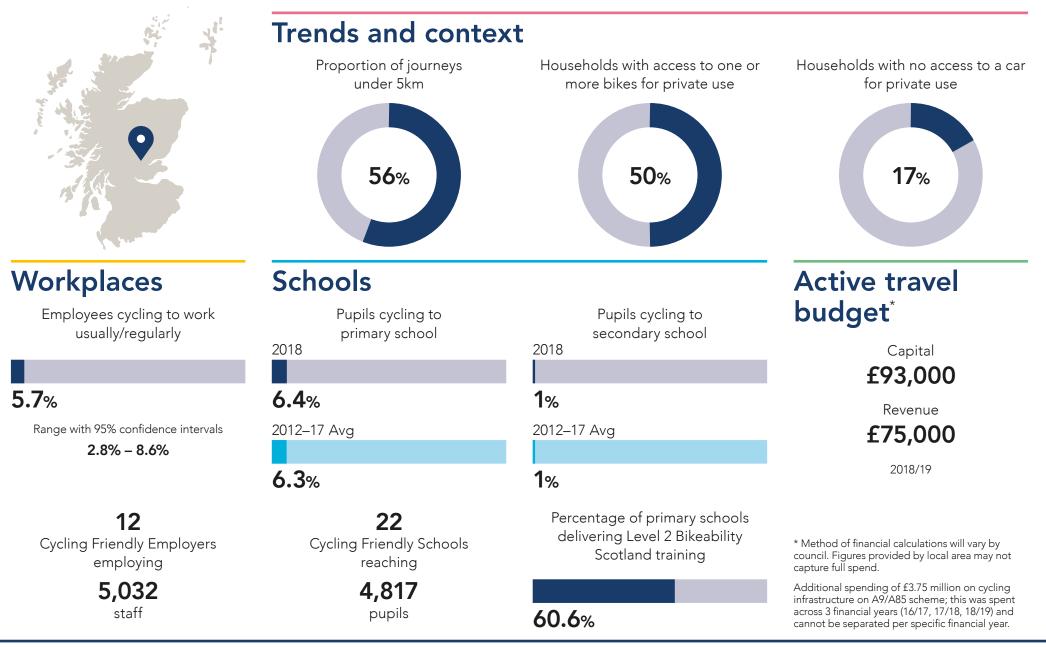
North Lanarkshire



Orkney Islands

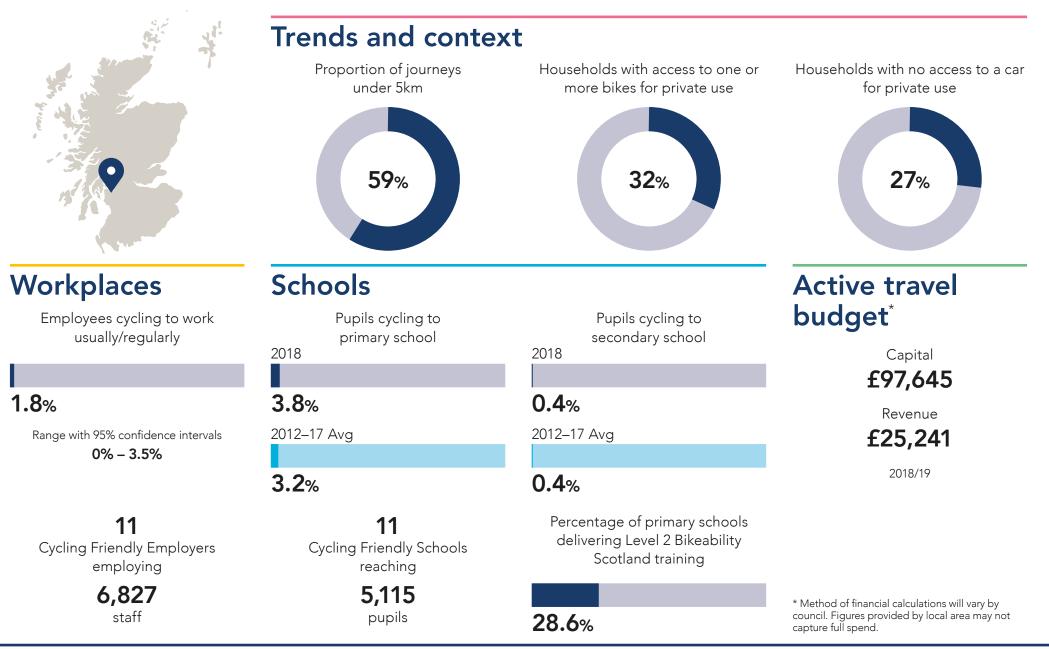


Perth & Kinross

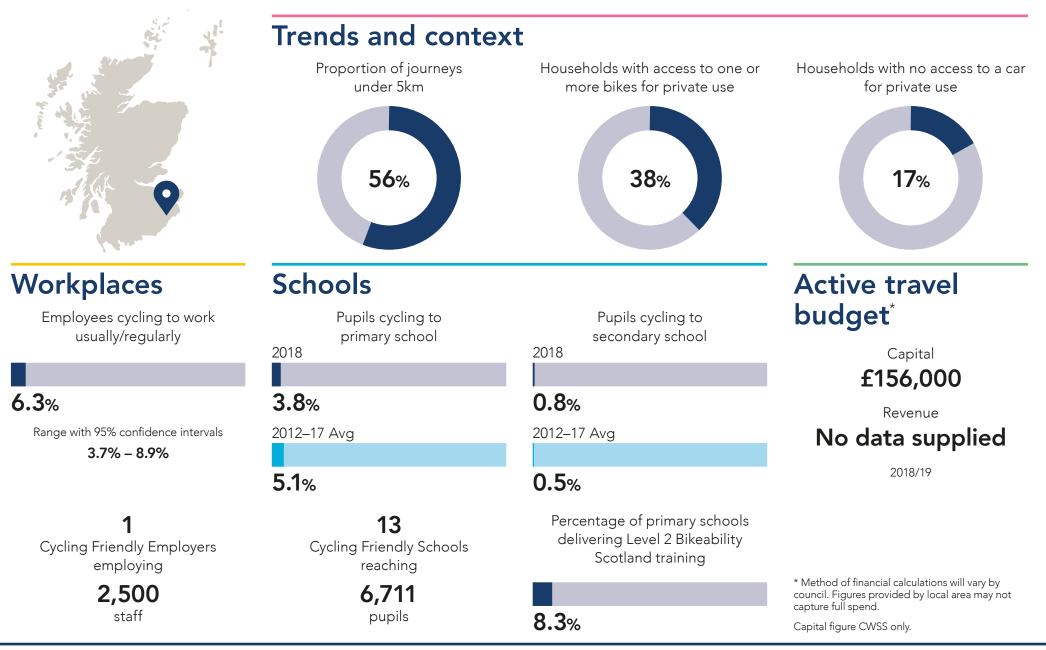


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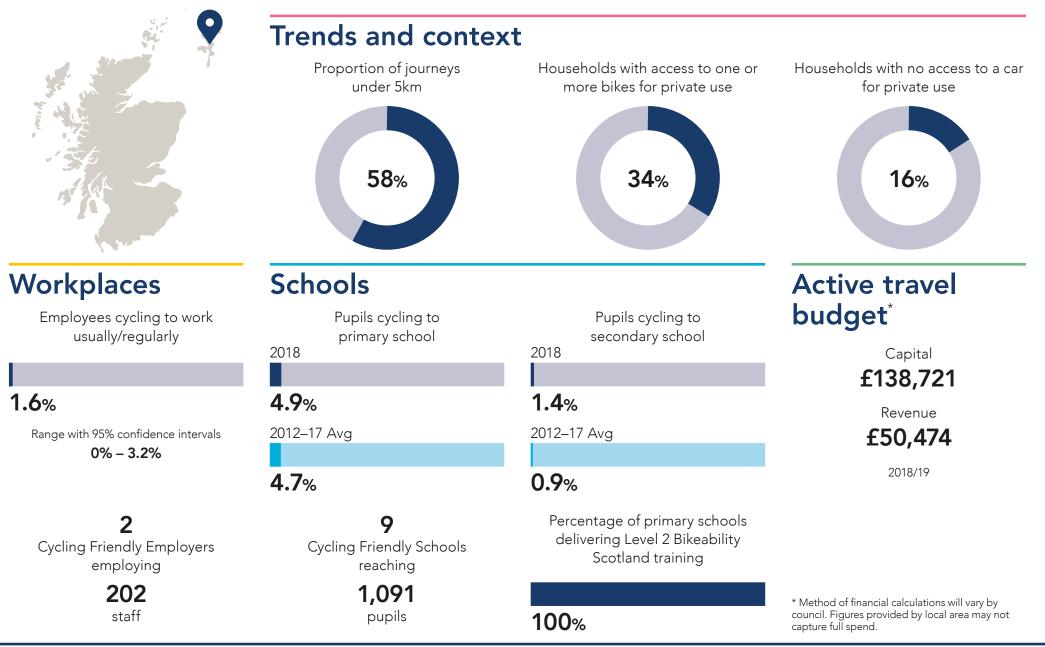
Renfrewshire



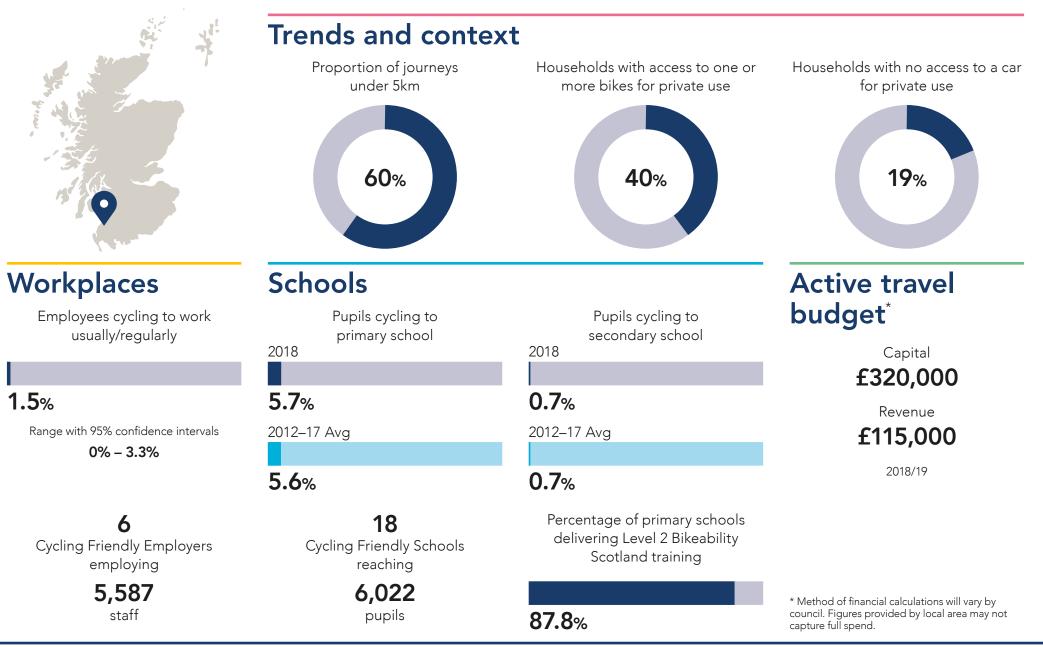
Scottish Borders



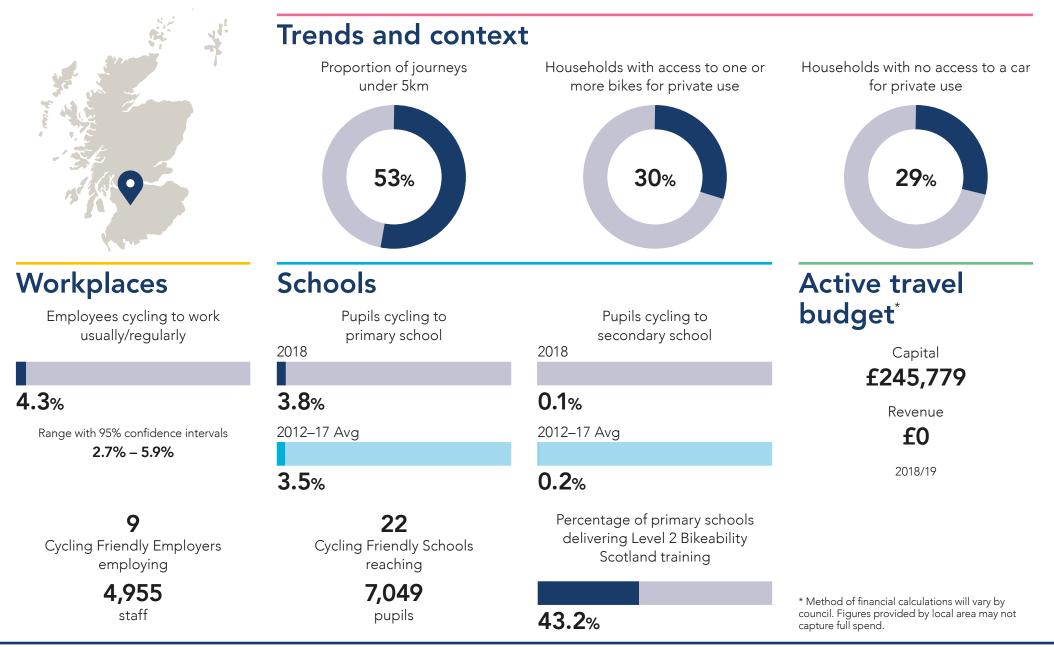
Shetland Islands



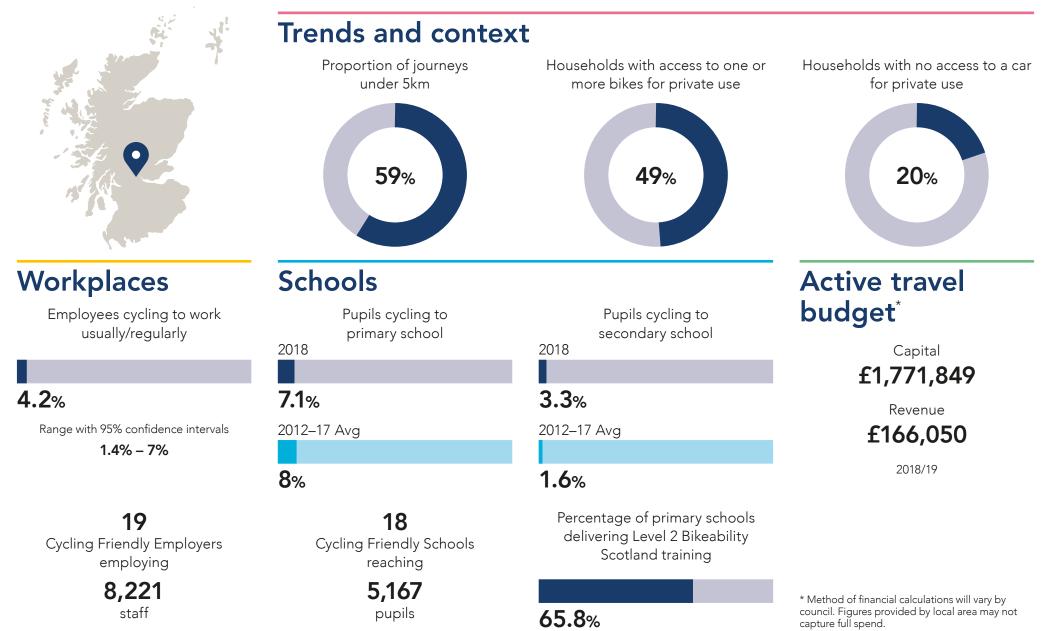
South Ayrshire



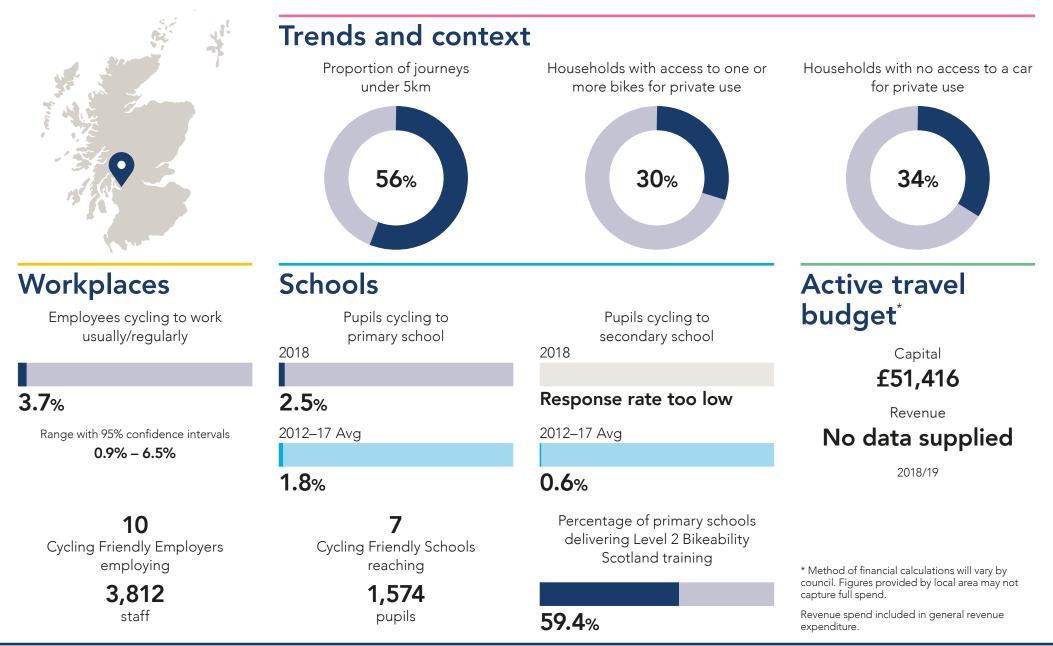
South Lanarkshire



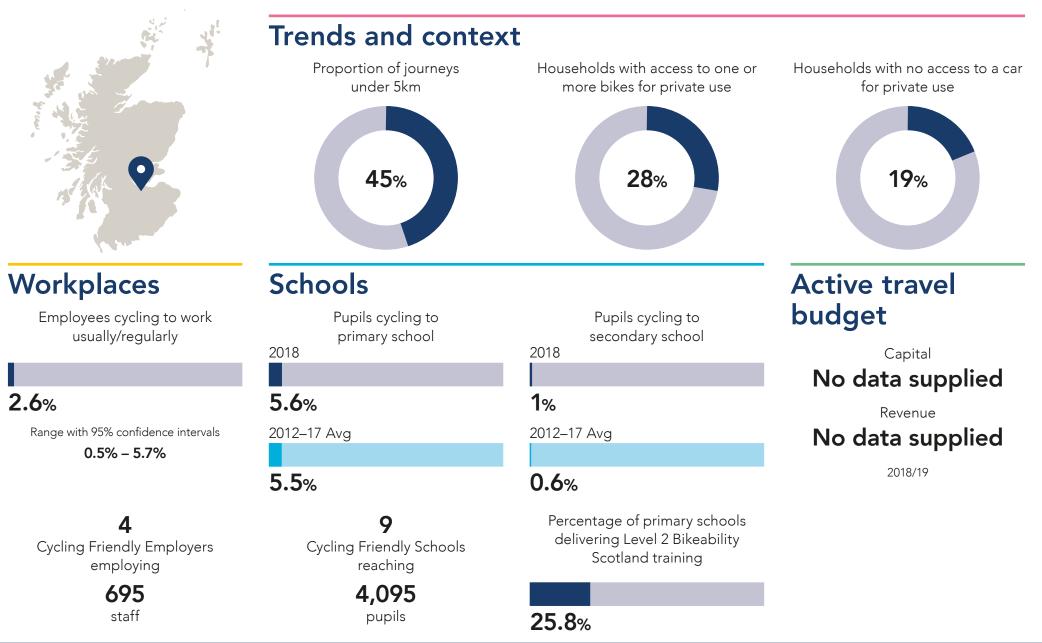
Stirling



West Dunbartonshire



West Lothian





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