

CONNECTING SHEFFIELD

Better travel choices

Overview: Pedestrian and
Cyclist Count
Section 2 of 9

Sheaf Valley Cycle Route

Traffic Monitoring Data



| Pedestrian and cyclist count overview – Introduction

In order to monitor and evaluate the success of the Sheaf Valley Cycle Route, we have conducted a range of traffic monitoring surveys at a number of locations across Sheaf Valley and the surrounding areas.

These surveys capture the movements of motor vehicles, cyclists and pedestrians. We surveyed key roads and junctions where we anticipated a potential change in travel as a result of the scheme, including areas of traffic displacement.

Changes to pedestrian and cyclist counts were calculated by conducting surveys before and after the measures were put in place. The surveys prior to the Cycle Route coming into effect took place in June and November 2021, while the surveys measuring traffic counts after the Cycle Route changes came into effect took place in November 2022 and June 2023.

The findings of all these surveys have been compiled and presented in 9 separate documents.

This is document 2 of 9, and provides an overview of the people walking and cycling that we counted at various locations in the Sheaf Valley Cycle Route area via traffic monitoring surveys. As the first data surveys took place on a single day, we also looked at possible variation in the data from days around the 'after' surveys. Between weekdays, pedestrian counts may vary by up to 4% while cyclist counts may vary by up to 12%.

These documents have been created to illustrate changes in travel before and after the Sheaf Valley Cycle Route scheme came into effect. The full committee report on the scheme will provide context to the data presented in this document, and how it informs the recommendations on the future of the scheme.

Cycle trips across the city data table

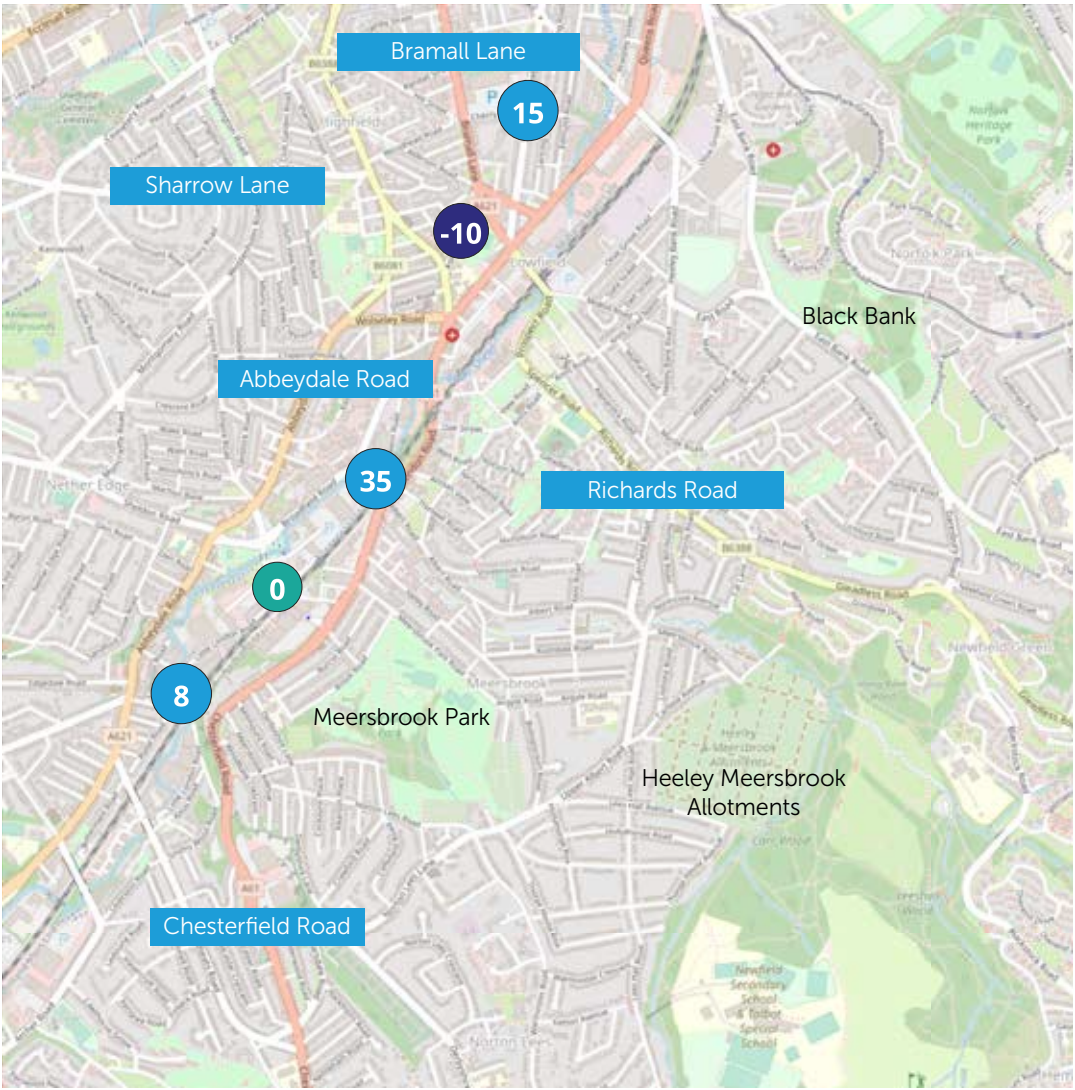
This table shows the change in cycle trips across the city, and how this has changed since 2021. The two cycling areas that are part of or adjacent to the areas affected by the Sheaf Valley Cycle Route are highlighted in green.

Cycling areas	2021	2022	2023	% change from 2021-22	% change from 2022-23	% change from 2021-23
Attercliffe Road	4672	4815	5150	3.05%	6.96%	10.22%
Sheaf Valley Cycle Route	6836	9482	11361	38.70%	19.81%	66.18%
Moore Street roundabout	7432	9815	9843	32.06%	0.28%	32.43%
Broomspring Lane	2981	3797	4328	27.38%	13.98%	45.19%
Penistone Road	8783	9525	9625	8.45%	1.05%	9.59%
Smithywood Drive	1652	1571	1566	-4.89%	-0.31%	-5.19%
Barrow Drive	3749	3428	3243	-8.56%	-5.41%	-13.51%
Cemetery Road	2806	3391	3027	20.83%	-10.72%	7.88%
Clarkehouse Road	9210	10737	10332	16.58%	-3.77%	12.18%
Sunnybank	3784	4851	4650	28.19%	-4.14%	22.89%
Shoreham Street (inbound only)	2141	3080	3464	43.90%	12.46%	61.82%
Broomhall Road	1416	1819	1936	28.46%	6.43%	36.72%

Average Overall	19.51%	3.05%	23.87%
Average overall excluding the Sheaf Valley Cycle Route and Shoreham Street areas	15.16%	0.43%	15.84%

Number of pedestrians counted

(shown as a percentage change)



We counted the number of people walking through the Sheaf Valley Cycle Route area, before and after the measures were put in place.

The circles on this map show the locations where we counted pedestrians.

The numbers in the circles indicate the change in the number of pedestrians between June 2021 and June 2023, as a percentage change. Changes are not shown for the southern junctions of Abbeydale Road and Chesterfield Road as no surveys were taken here in 2021.

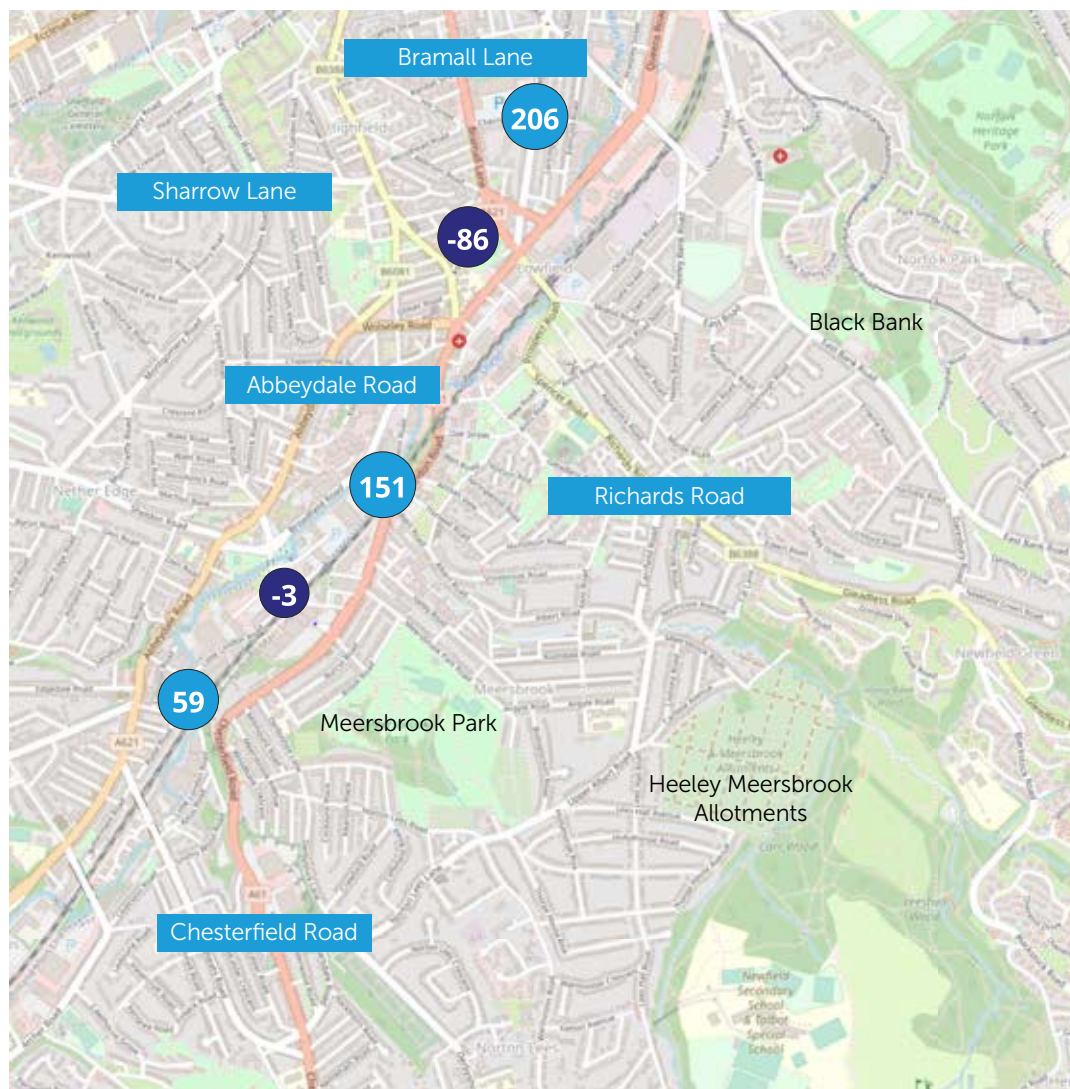
Increases are shown in light blue. Decreases are shown in navy blue. No change is shown in green.

Key

12 hour pedestrian volume percentage change (7am to 7pm)

- Decrease in percentage
- No change
- Increase in percentage

Number of pedestrians counted



We counted the number of people walking through the Sheaf Valley Cycle Route area, before and after the measures were put in place.

The circles on this map show the locations where we counted pedestrians.

The numbers in the circles indicate the change in the number of pedestrians between June 2021 and June 2023. Changes are not shown for the southern junctions of Abbeydale Road and Chesterfield Road as no surveys were taken here in 2021.

Increases are shown in light blue. Decreases are shown in navy blue. No change is shown in green.

All pedestrian change data is subject to a 4% possible variation.

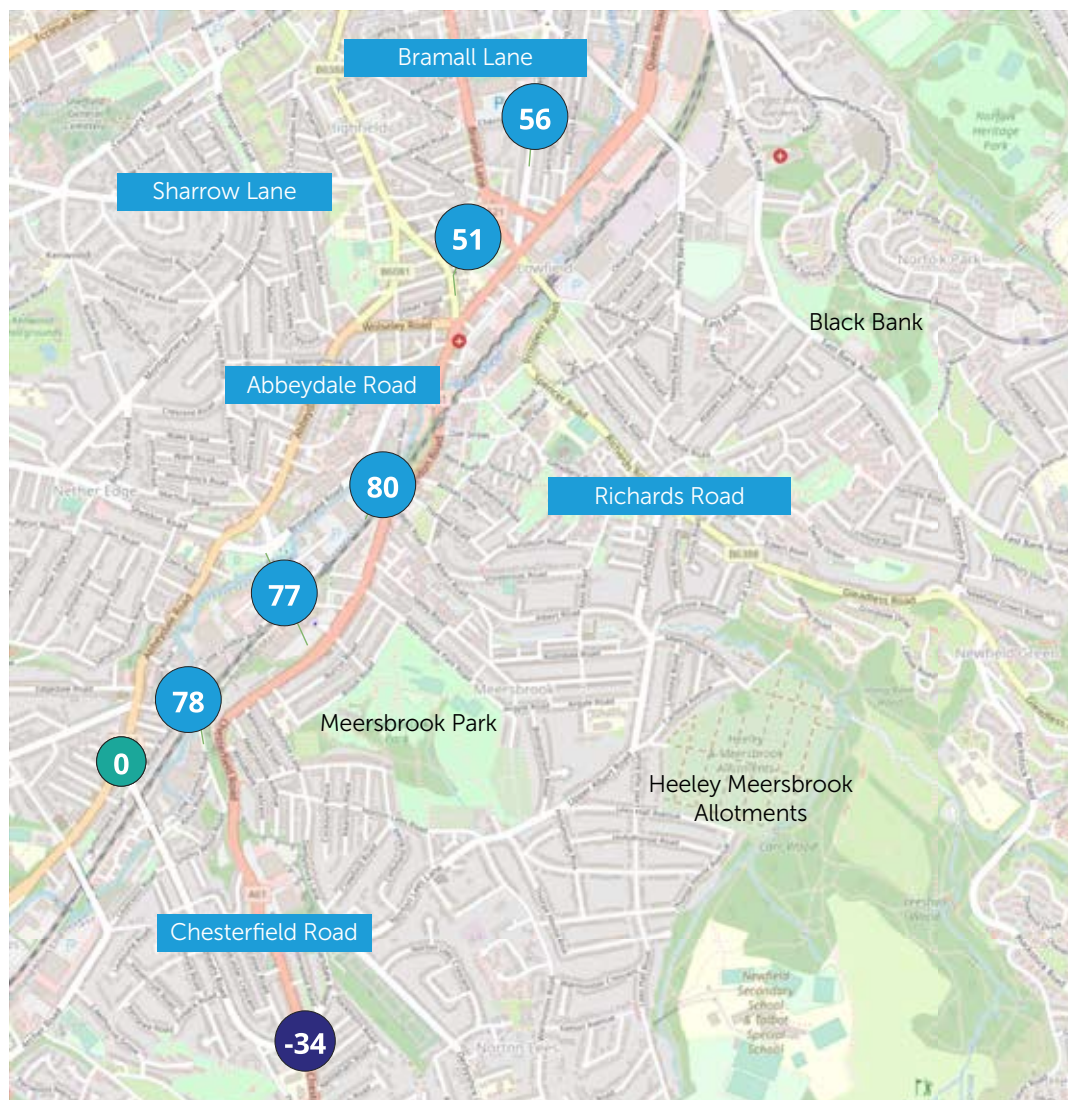
Key

12 hour pedestrian count change (7am to 7pm)



Number of people cycling counted

(shown as a percentage change)



We counted the number of people cycling and walking through the Sheaf Valley Cycle Route area, before and after the measures were put in place.

The circles on this map show the locations where we counted people cycling.

The numbers in the circles indicate the change in the number of people cycling between June 2021 and June 2023, as a percentage change.

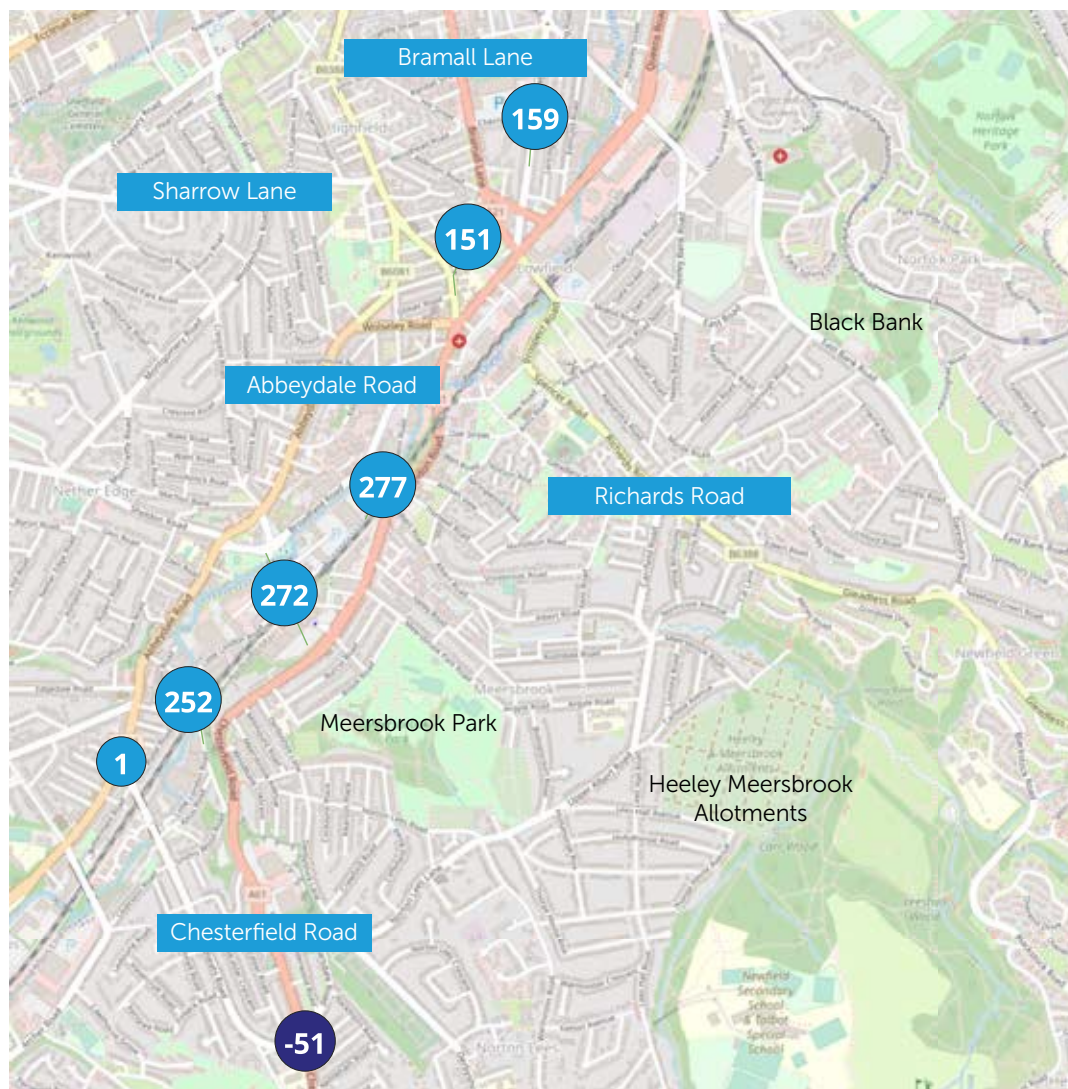
Increases are shown in light blue. Decreases are shown in navy blue. No change is shown in green.

Key

12 hour cyclist count percentage change (7am to 7pm)



Number of people cycling counted



We counted the number of people cycling through the Sheaf Valley Cycle Route area, before and after the measures were put in place.

The circles on this map show the locations where we counted people cycling.

The numbers in the circles indicate the change in the number of people cycling between June 2021 and June 2023.

Increases are shown in light blue. Decreases are shown in navy blue. No change is shown in green.

All cyclist change data is subject to a 12% possible variation.

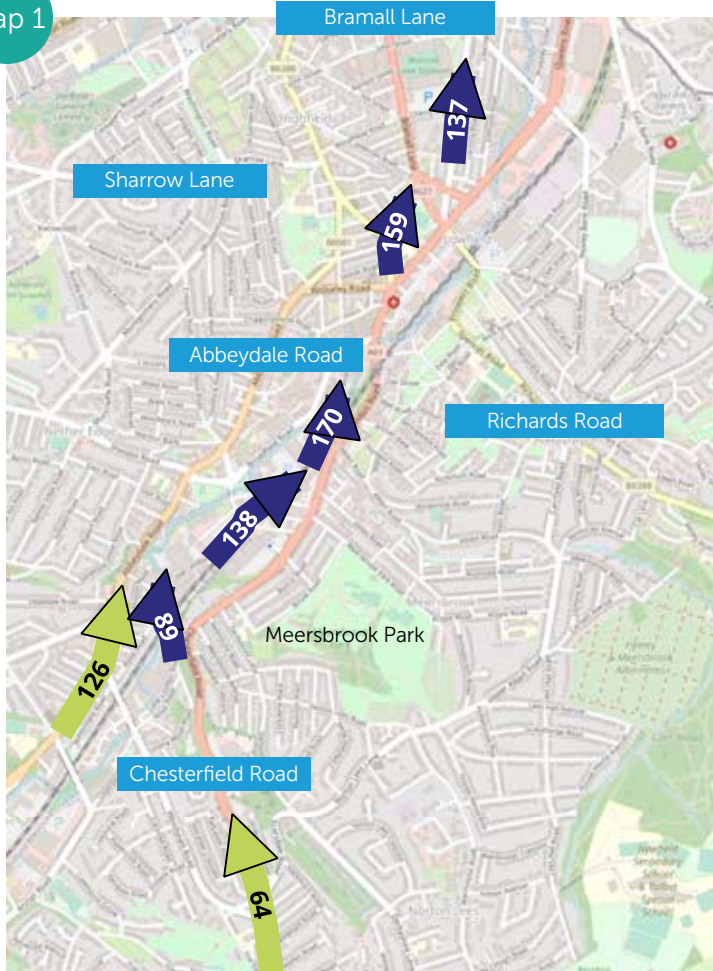
Key

12 hour cyclist count change (7am to 7pm)



Number of people cycling northbound

Map 1

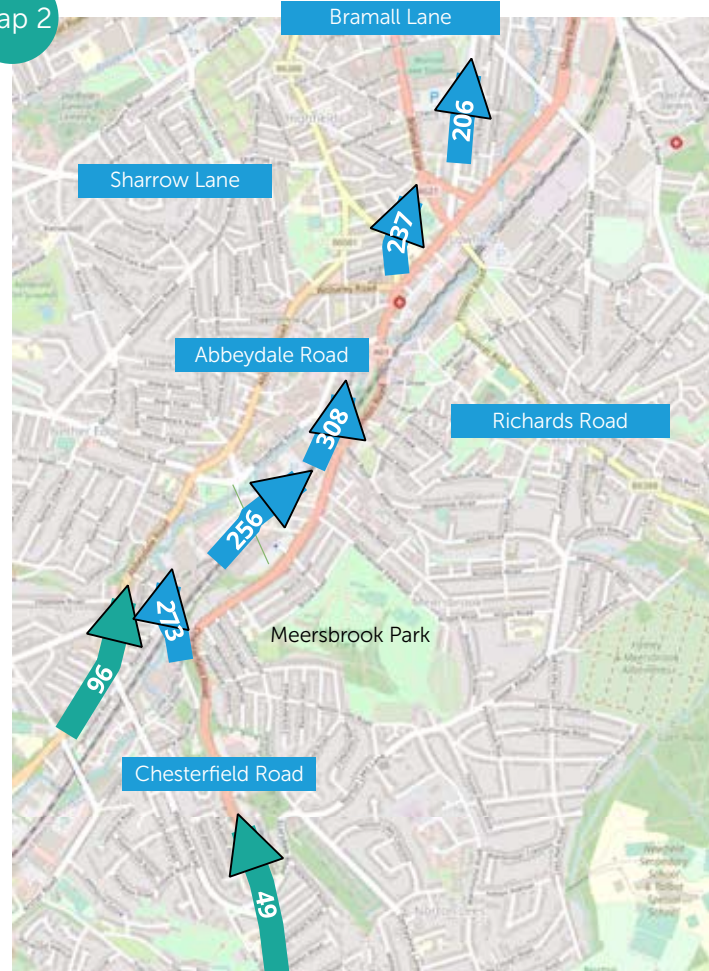


Northbound cyclist flow before scheme

Key

- Cyclist flows over a 12 hour period in June 2021
- Cyclist flows over a 12 hour period in November 2021

Map 2



Northbound cyclist flow after scheme

Key

- Cyclist flows over a 12 hour period in June 2023
- Cyclist flows over a 12 hour period in November 2022

We counted the number and direction of cyclists passing northbound through the Sheaf Valley Cycle Route area over a 12 hour period on two different occasions before and after the measures were put in place.

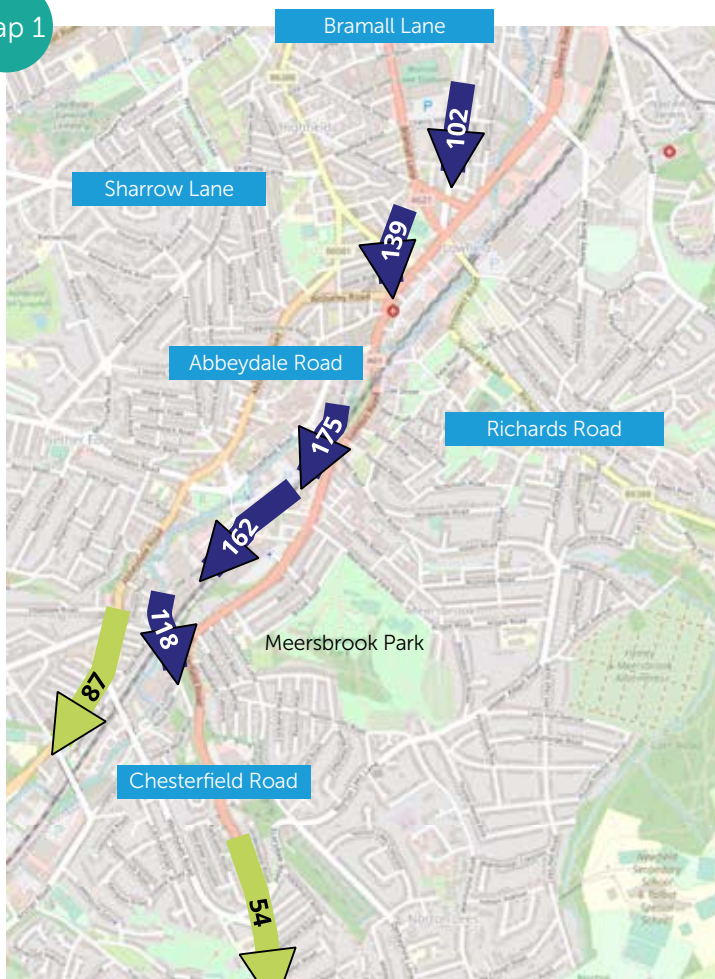
The number and direction of the arrows on the maps show the number and direction of cyclists counted passing through different points in the area of the Sheaf Valley Cycle Route.

On Map 1, the navy blue arrows correspond to the cyclists counted in June 2021, while the green arrows correspond to the cyclists counted in November 2021.

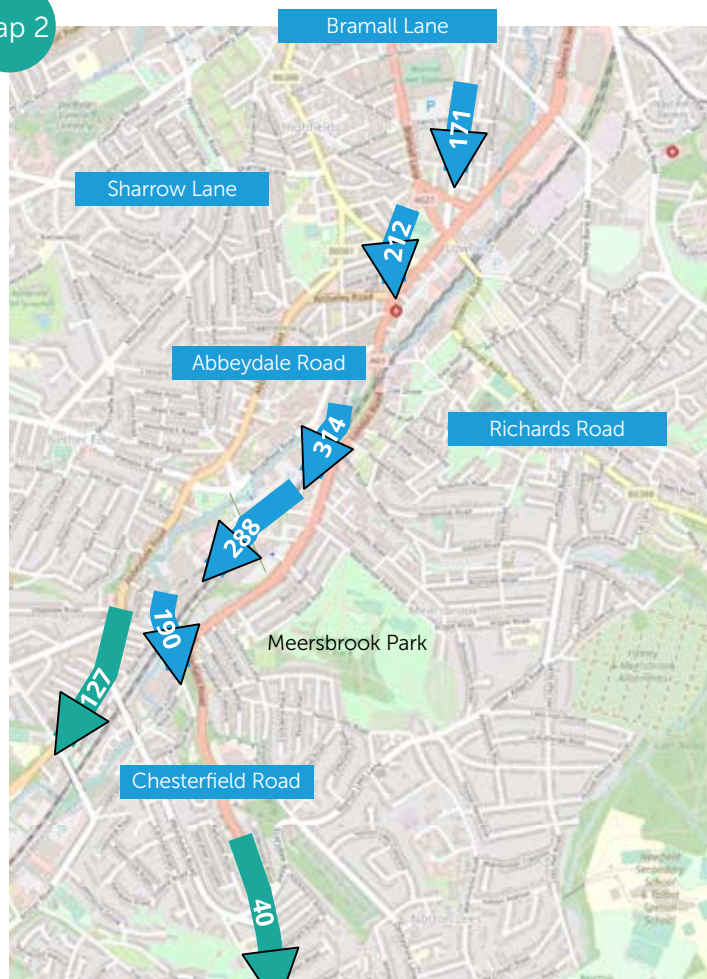
On Map 2, the light blue arrows correspond to the cyclists counted in June 2023, while the light green arrows correspond to the cyclists counted in November 2022.

Number of people cycling southbound

Map 1





Map 2





Southbound cyclist flow before scheme

Key

-  Cyclist flows over a 12 hour period in June 2021
-  Cyclist flows over a 12 hour period in November 2021

Southbound cyclist flow after scheme

Key

-  Cyclist flows over a 12 hour period in June 2023
-  Cyclist flows over a 12 hour period in November 2022

We counted the number and direction of cyclists passing southbound through the Sheaf Valley Cycle Route area over a 12 hour period on two different occasions before and after the measures were put in place.

The number and direction of the arrows on the maps show the number and direction of cyclists counted passing through different points in the area of the Sheaf Valley Cycle Route.

On Map 1, the navy blue arrows correspond to the cyclists counted in June 2021, while the green arrows correspond to the cyclists counted in November 2021.

On Map 2, the light blue arrows correspond to the cyclists counted in June 2023, while the light green arrows correspond to the cyclists counted in November 2022.