

Tram Passenger Survey (TPS) – Blackpool

Autumn 2018 results
April 2019

Transport Focus, Fleetbank House, 2-6 Salisbury Square, London, EC4Y 8JX Insight@transportfocus.org.uk





Contents



Overview	
Context to the survey	3
Summary of 2018 findings	6
The findings	
Experience and opinions of the journey	14
Waiting at the stop	22
The tram	29
Negative experiences during the journey	34
Passengers' suggested improvements	38
Opinion of trams in local area	41
Further information	
Appendix 1: Passenger and journey context	45
Appendix 2: Further detail on survey background and method	62
Appendix 3: Questionnaire	68 transportfocus



Tram Passenger Survey (TPS) – Blackpool

Context to the survey



Background to the 2018 survey

- The TPS provides a consistent, robust measurement of passenger satisfaction with tram services in Britain
- It also informs our understanding of barriers to (greater) tram use, how to encourage greater use, and how to improve the passenger experience
- Comparisons can also be made with passenger experiences on buses and trains, as measured by the Bus Passenger Survey (BPS) and National Rail Passenger Survey (NRPS)
- The 2018 TPS covered tram services in Manchester, Birmingham, Blackpool and Sheffield. Edinburgh Trams was covered in 2014-2016, Glasgow Trams was covered in 2017 and Nottingham was included in 2013-2017.



The survey method

Passengers are approached while making a journey; they answer the survey about that journey specifically

The questionnaire is self-completion, with passengers offered a choice of online or paper

Interviewers approached passengers on all days of the week between 6am and 10pm, between **7 September and 7**December 2018

514 surveys were completed for Blackpool tramway in autumn 2018

For further details of the survey method, see Appendix



The Blackpool network in context

	The Network	Passenger Journeys	Ticket Purchasing	Information at stops	Frequency	Engineering disruptions/other notes
Blackpool Transport*	1 line 38 stops 11 miles	5.2* million	TVMs at stopsConductors on board	✓ Info boards at stops (TTs, fares) ▼ Passenger Info Displays	Mon-Sat: every 12-30 mins Sun: 15-30 mins	 Blackpool illuminations 30 Aug to 3 Nov 2018 Heritage trams operate bank holidays, weekends and summer; not covered in this research No significant issues affected fieldwork
Manchester Metrolink	7 lines 93 stops 57 miles	42.8** million	TVMs at ✓ stops Conductors X on board	Info boards all stops ✓ (TTs, fares) Passenger Info Displays ✓ (Not all stops on Bury and Altrincham lines)	Mon-Sat: every 6-12 mins Sun: 12-15 mins	 Airport line opened late 2014, covered in 2015 Exchange Square and link with Victoria opened in December 2015 Increasing use of double carriage trams Second City Crossing opened in February 2017 enabling quicker journeys across the city A tram collision on the 10th November 2017 affected two shifts which were rescheduled due to no trams running
Sheffield organical Supervision Supervision	4 lines 50 stops 22 miles	12.3* Million	TVMs at ★ stops Conductors ✓ on board	Info boards at stops ✓ (TTs, fares) Passenger Info Displays	Mon-Sat: every 5-20 mins Sun: 10-20 mins	 New Tram train extension to the Network opened late-Oct 2018 including two new stops. Some shifts were held back so they could be completed on the new line in November 2018 Additional consultation (not part of this research) was held on the network which coincided with this fieldwork period (Sep – Oct 2018)
West Midlands Metro	1 line 26 stops 13 miles	5.7* million	TVMs at ✓ stops Conductors ✓ on board	Info boards at some stops (TTs, fares) Passenger Info Displays	Mon-Sat: every 6-15 mins Sun: 15 mins	 Network extension to Grand Central (New Street Station) opened on 30 May 2016 and was included in the TPS 2016 Network improvement works meant that two tram stops at the Wolverhampton end of the route were closed for the duration of fieldwork in 2017 (Wolverhampton St George's and The Royal)



5

^{*}Source: Department for Transport, Passenger journeys on light rail and trams by system in England, 2017/18

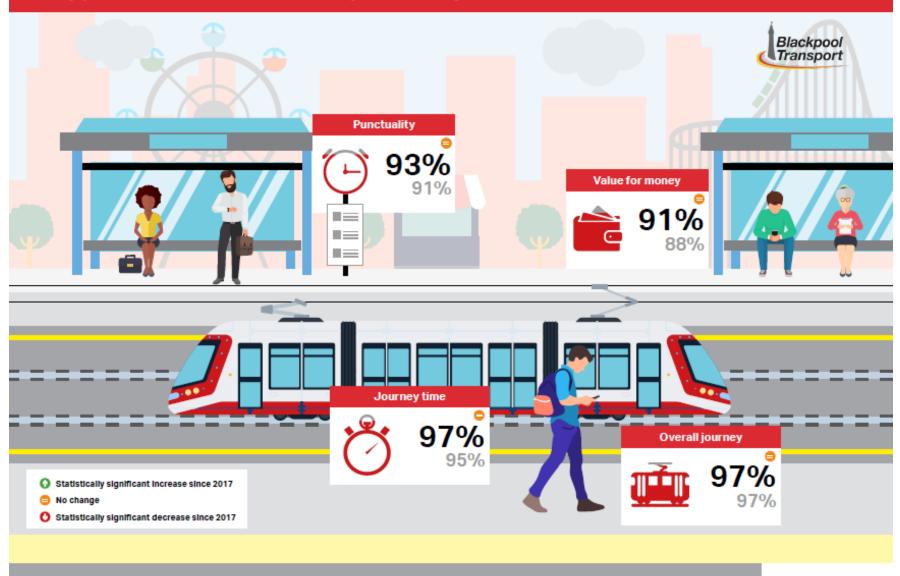


Tram Passenger Survey (TPS) – Blackpool

Key findings



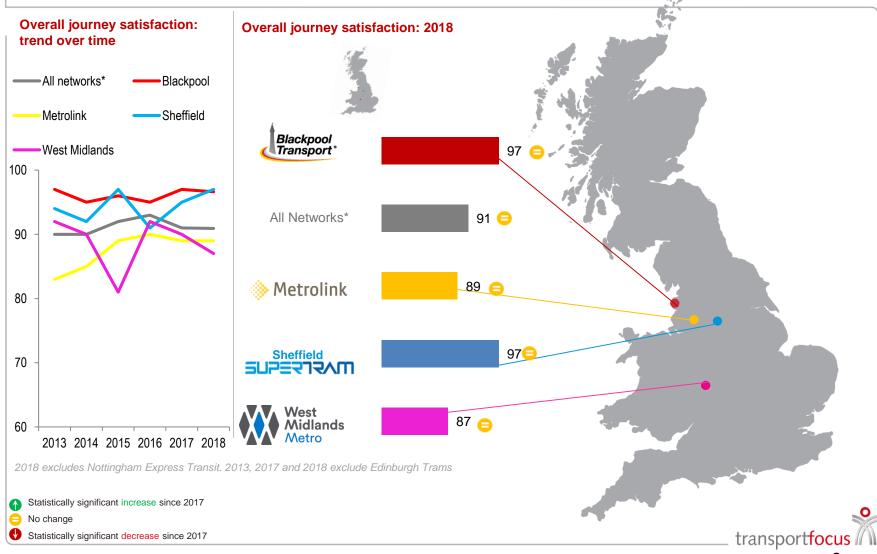
Key performance measures for Blackpool Tramway 2018



Figures shown are total very or fairly satisfied. Last year's figure is shown in grey.



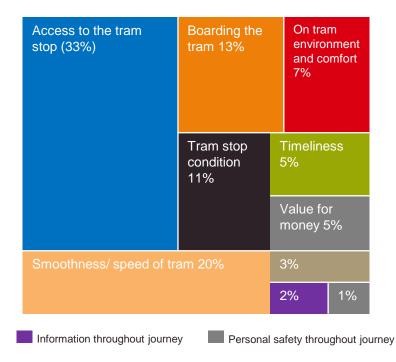
Passenger experience: a snapshot



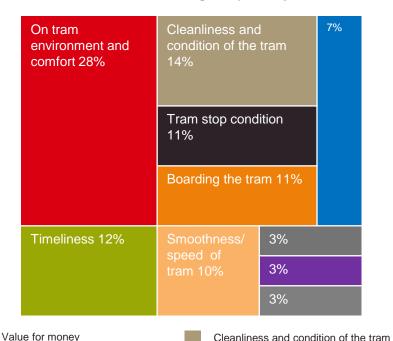
What makes a satisfactory or great journey on Blackpool Tramway?

The top factors linked to overall journey satisfaction*





What makes a great journey?



*Key Driver Analysis looks at fare-paying passengers' overall journey satisfaction response and their response to the 25 individual satisfaction measures in the survey (including value for money), which have been grouped into 10 themes based upon a statistical analysis of the responses.

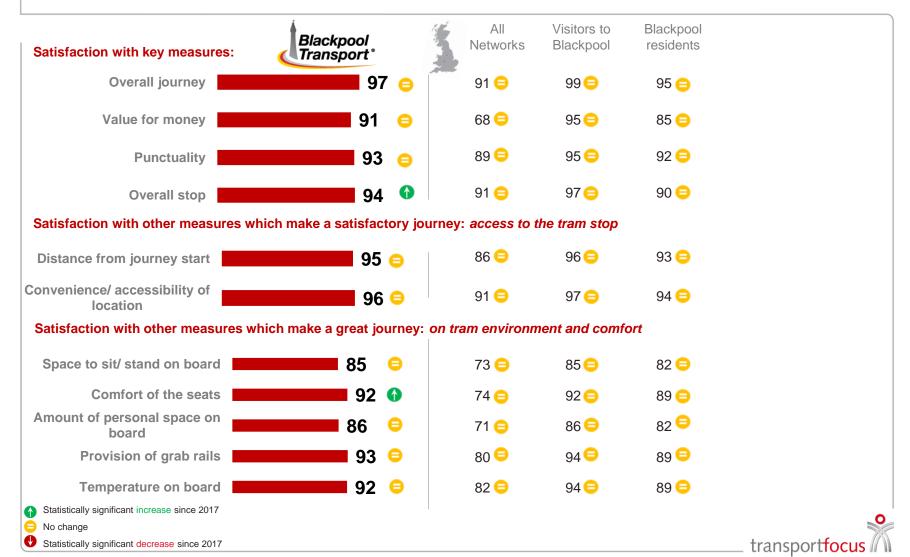
The left hand chart shows which themes most differentiate between those not satisfied and satisfied overall - making a journey 'satisfactory'.

The right hand chart shows which themes most differentiate between those fairly and very satisfied overall – making a 'great' journey.

The analysis combines data from 2017 and 2018 surveys to increase robustness. It also excludes satisfaction measures relating to tram staff; due to differences in staff availability across the networks not all TPS questionnaires feature questions about tram staff. In order to run the analysis in a consistent and practical manner all staff measures have been excluded.

See appendix 2 for a full explanation of the analysis to identify factors linked to overall journey satisfaction.

Passenger experience in Blackpool 2018: across the network



Overall passenger experience in Blackpool 2018: a snapshot At the stop **Boarding** Overall satisfaction with stop (94% 96 98 95% Distance from journey start Convenience/accessibility 96% Ease of Time taken Route info on Exterior getting on (%) to board (%) tram (%) General condition and maintenance 91% cleanliness (%) 92% Freedom from graffiti/vandalism 🕠 Freedom from litter 0 92% Behaviour of other passengers 92% 90% Information provided 🕡 94% Personal safety = Statistically significant increase since 2017 No change Statistically significant decrease since 2017 On board 0 Appearance () Greeting () 96% Helpfulness/attitude () 97% Seat / standing Interior Info on Seat Safety of driving 😑 98% cleanliness (%) board (%) space (%) comfort (%) Smoothness of journey 94% 86 95 transportfocus // \ Personal Provision Personal

Temperature (%)

security (%)

space (%)

grabrails (%)

Summary of key findings (1)

- Overall journey satisfaction on the Blackpool tramway is very high, and is one of the highest compared to the tram networks covered in the Tram Passenger Survey. 97 per cent of passengers are satisfied, with 82 per cent saying they are 'very satisfied' with their journey overall. This is considerably higher than the same measure on the Bus Passenger Survey (90 per cent)
- There is not a great deal of variation in overall journey satisfaction across different passenger groups. Those aged 16-34 tend to be less satisfied, with 89 per cent satisfied
- The key factor which makes journeys satisfactory on the Blackpool tramway is access to the tram stop. Attributes relating to this have remained relatively consistent compared to 2017. Satisfaction with the distance of the tram stop from the journey start is a little lower (95 per cent) than the convenience/accessibility of the location of the tram stop (96 per cent)
- The factor which makes journeys great on the Blackpool tramway is the on board environment and comfort. The space to sit or stand on the tram is the lowest rated aspect (85 per cent), especially amongst Blackpool residents (82 per cent)
- 91 per cent of fare-paying passengers are satisfied with the value for money of their journey, an increase since last year (88 per cent)
- When evaluating value for money, the most important factor is the cost of the tram for the distance travelled.

Summary of key findings (2)

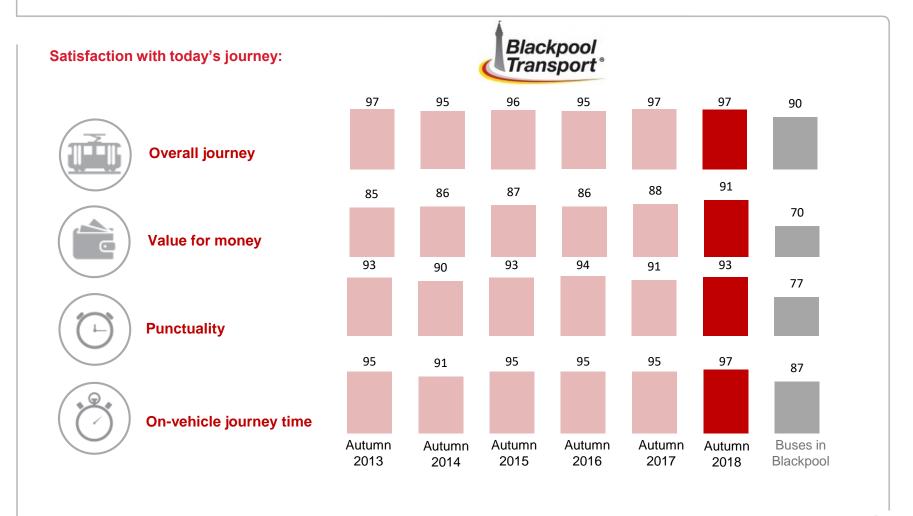
- 93 per cent of passengers were satisfied with the punctuality of the tram, which has increased slightly since last year (91 per cent). Only 5 per cent experienced a delay on their journey, with the average length of delay lasting 13 minutes
- 24 per cent of passengers spontaneously mention an improvement that could have been made to their journey (21 per cent in 2017). The most common improvements mentioned relate to either the seating and capacity on board, the frequency of routes or the tram stop itself
- The majority of passengers (86 per cent) are using the Blackpool tramway for leisure reasons, whilst 14 per cent use it to commute
- The vast majority of passengers (71 per cent) use a paper ticket. Only 7 per cent currently use an m-ticket
- Two thirds of passengers (66 per cent) purchase their ticket from the conductor (2017: 64 per cent)
- The age profile of passengers travelling on the tramway is higher, with 51 per cent aged 60 or over. 13 per cent of those surveyed are aged 16-34.



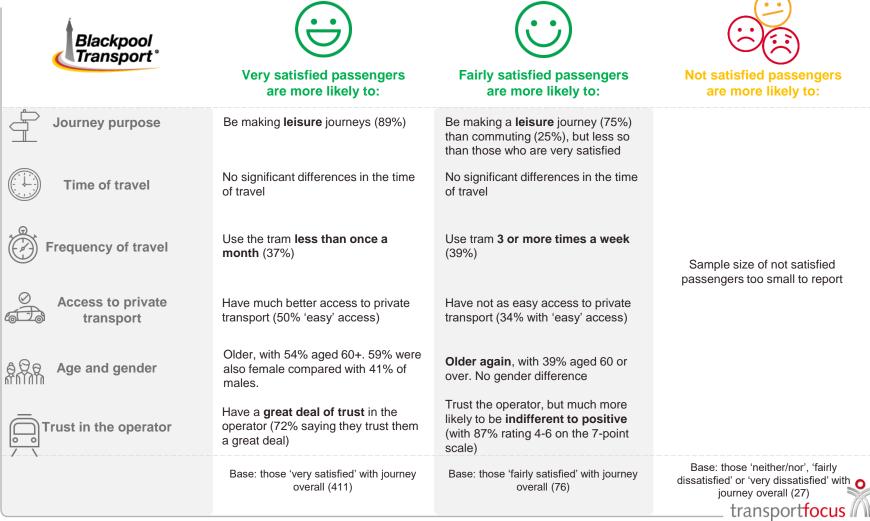
Tram Passenger Survey (TPS) – Blackpool

Experience and opinions of the journey

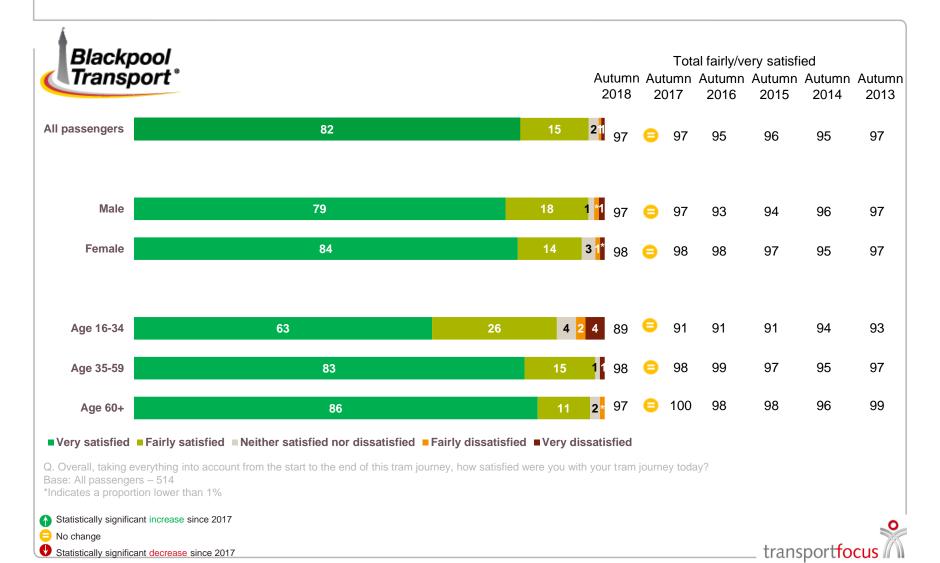
Experience and opinions of the journey: summary



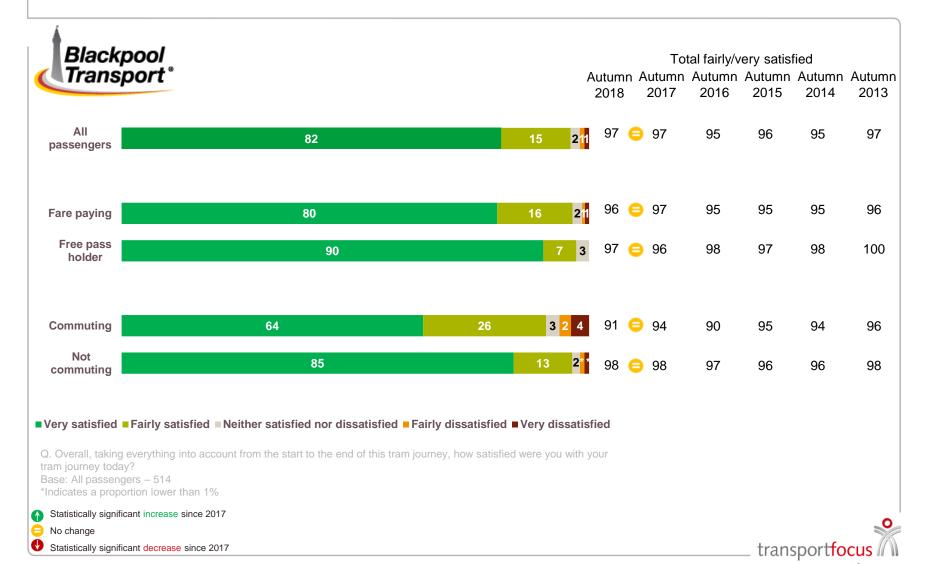
Who are satisfied and not satisfied passengers?



Overall satisfaction (%) – by gender and age

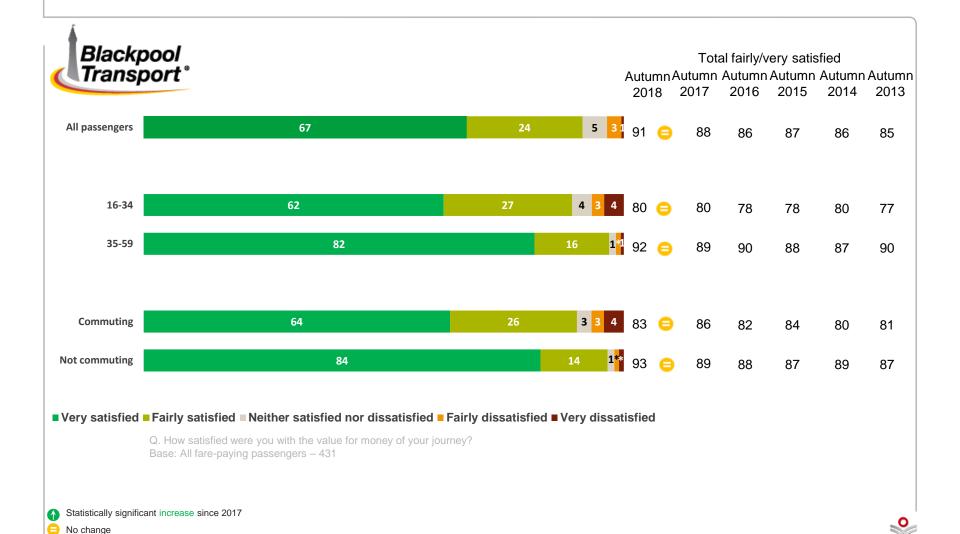


Overall satisfaction (%) – by passenger type



Value for money (%) – fare-payers only

Statistically significant decrease since 2017



transportfocus //

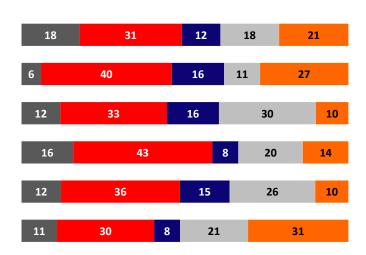
What influenced value for money rating (%)







Those not satisfied with value for money*



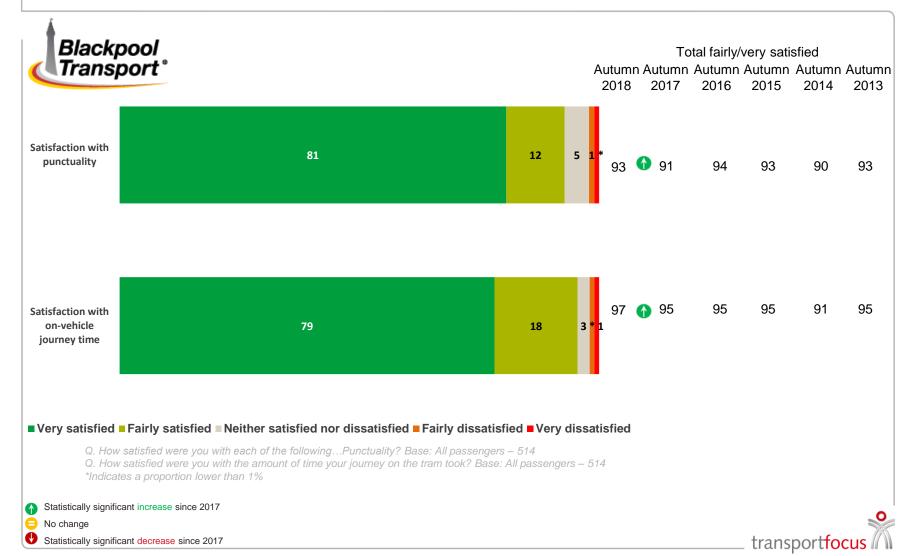
■ Cost of tram versus other transport ■ Cost for distance travelled ■ Comfort/ quality for the fare paid ■ Fare compared to everyday items ■ Other reason

NOTE: Those not satisfied with value for money includes respondents answering 'Neither satisfied nor dissatisfied'

Q. What had the biggest influence on the 'value for money' rating you gave in the previous question? Base: All fare-paying passengers 431

*Caution low base of those not satisfied with value for money (20)

Punctuality and on-vehicle journey time





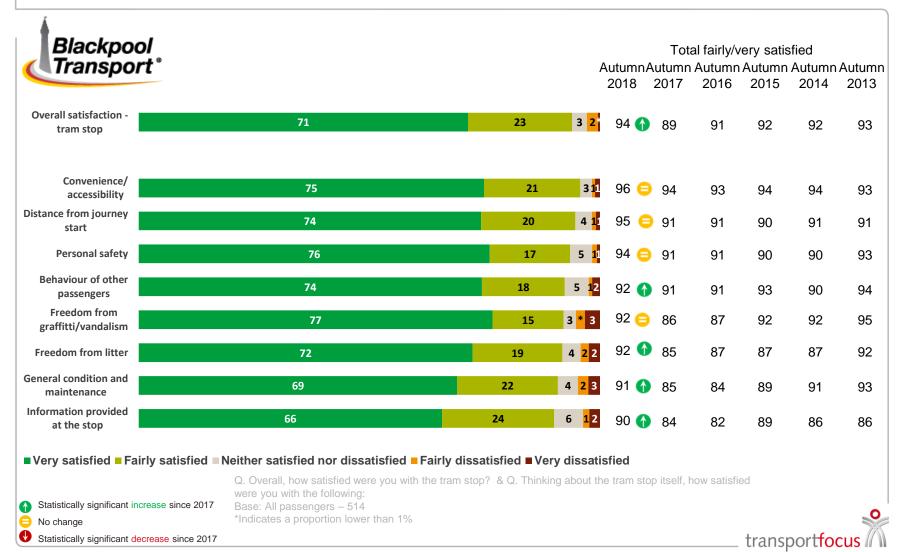
Tram Passenger Survey (TPS) – Blackpool

Waiting at the stop

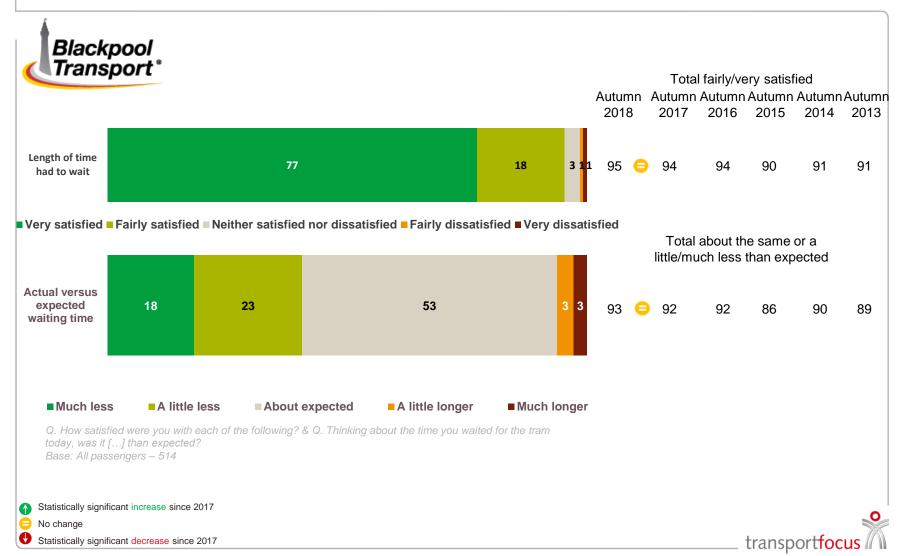
Waiting at the stop: summary

Blackpool Transport*		Buses In	Waiting times:	Blackpool Transport*	Buses In Blackpool
	04.	Blackpool	Satisfaction: expected waiting time	95	74
Overall satisfaction with stop	94 (74	Expected wait time	8 mins	
Distance from journey start	95 🧲	82			
Convenience/accessibility	96 🧲	84	Actual reported wait time	5 mins	
seneral condition and maintenance 91 👔 64		64	Checking tram information	1:	
Freedom from graffiti/vandalism	92 🕤	71	0		
Freedom from litter	92 (72	Passengers who checked tram time	53	68
Behaviour of other passengers	92 🧲	N/A*			
Information provided	90 (68	Info sources used before arriving at stop	Leaflet/paper timetable 12%	Online timetable 40%
Personal safety	94 🧲	76	Info sources used at stop	Info posters at the stop 26%	Stop timetable 55%
Statistically significant increase since 2017 No change				69% knew	47% knew
Statistically significant decrease since 2017			Among those that didn't	trams ran	service ran
*Not asked in BPS			check	frequently	frequently transportfocus

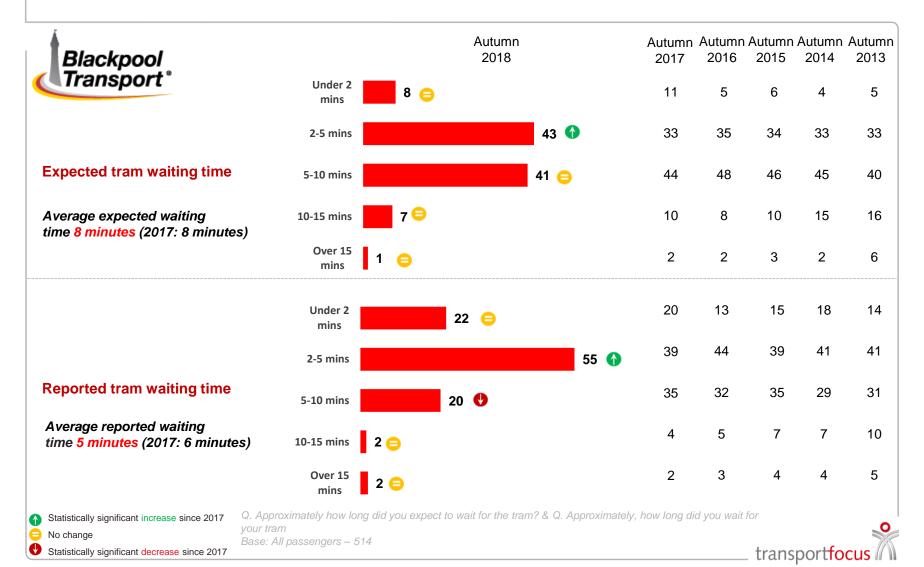
Satisfaction – with the tram stop (%)



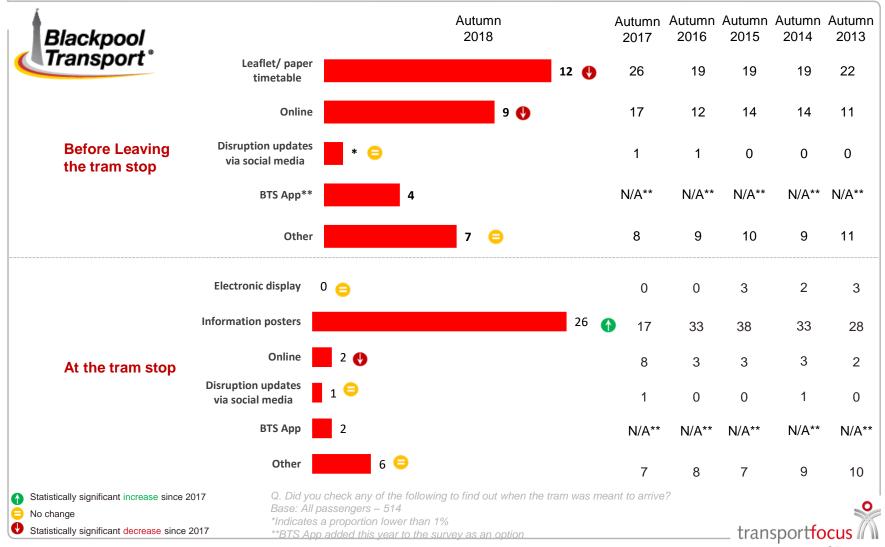
Satisfaction with waiting time (%)



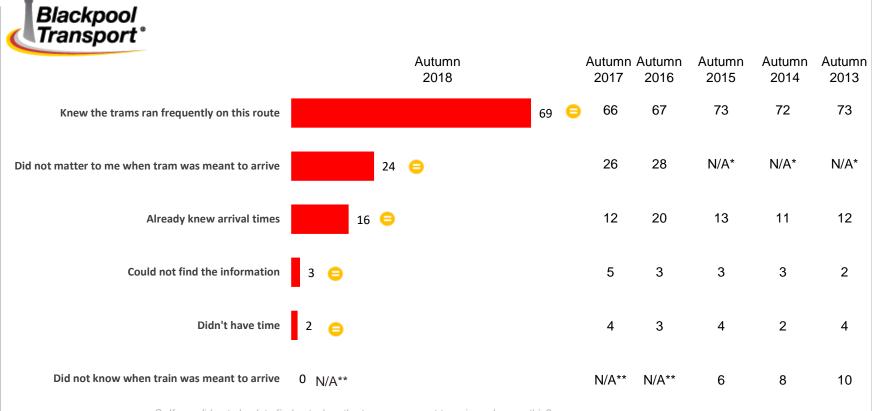
Expected and reported waiting times



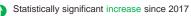
How passengers checked tram times



Why passengers did not check tram times



Q. If you did not check to find out when the tram was meant to arrive, why was this? Base: All not checking tram arrival information – 272
*Not asked before 2016 **Not asked after 2015



No change

Statistically significant decrease since 2017





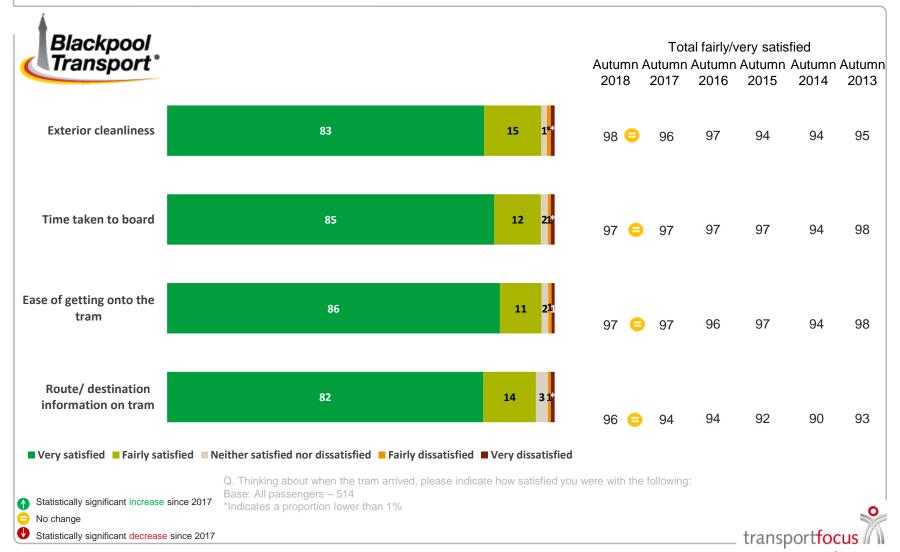
Tram Passenger Survey (TPS) – Blackpool

The tram

The tram: summary

Blackpool Transport*		Buses in lackpool		_	Buses in lackpool		Buses in Blackpool
Start of journey			On board			The staff	
Route info on tram	96 😑	81	Interior cleanliness	97 😑	86	Appearance	98 🚹 92
Exterior cleanliness	98 😑	86	Info on board	94 😑	78	Greeting	96 🚯 75
Ease getting on	97 😑	91	Seat/standing space	85 😑	84	Helpfulness/attitude	97 🚺 76
Time taken to board	97 😑	91	Seat comfort	92 🚯	84	Safety of driving	98 😑 90
			Personal space	86 😑	80	Smoothness journey	94 😑 78
			Provision grab rails	92 😑	87		
			Temperature	92 😑	83		
Statistically significant increase since No change	e 2017						0
Statistically significant decrease sin	ce 2017		Personal security	95 😑	88	trans	sportfocus M

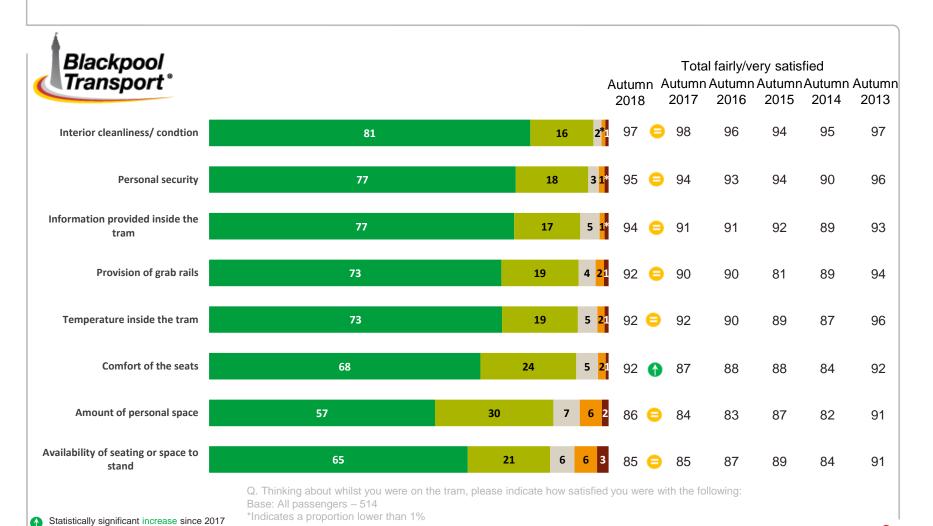
Satisfaction with start of journey (%)



Satisfaction on the tram (%)

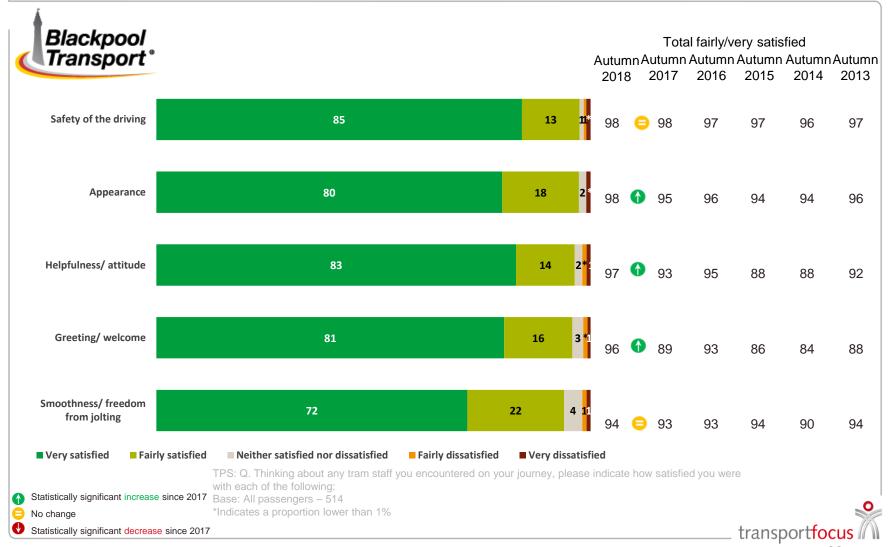
No change

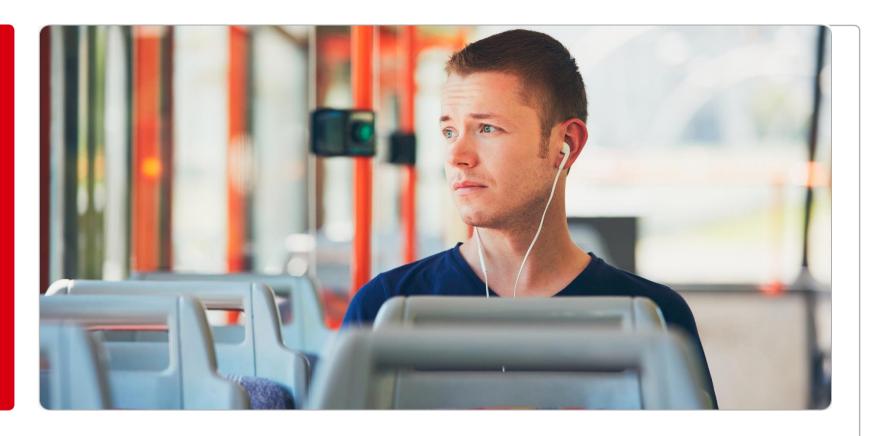
Statistically significant decrease since 2017



transportfocus

Satisfaction with tram staff (%)





Tram Passenger Survey (TPS) – Blackpool

Negative experiences during the journey

Negative experiences during the journey: summary





Passengers experiencing a delay to their journey





Average length of delay (perceived)





Most common cause of delay

Due to tram failure*

*Caution: small base (23)



Passengers with worry or concern about others' behaviour on board







Statistically significant decrease since 2017



Experience of delays (%)



5 per cent (=) of Blackpool passengers experienced a delay (2017: 3 per cent). Average length of delay was 13 minutes (=)

Due to a tram failure

The tram waiting too long at stops

The tram waiting too long at signals

Time it took passengers to board/pay for tickets

Due to a signal/points failure

Poor weather conditions

Road congestion/traffic jam

Planned engineering works

Had to use bus replacement service

Time it took to get to the platform

Time it took to pay for my ticket

Other

No reason given

Not sure

Base of delayed passengers in 2018 too small to report

Q. Why was your journey delayed? Base: All experiencing a delay – 23 (Caution small base)



ciaustically significant increase since 2017



Statistically significant decrease since 2017



Worry or concern at other passengers' behaviour (%)

Blooknool		Autum 2018		Autumn 2017	Autumn 2016	Autumn 2015	Autumn 2014	Autumn 2013
Blackpool Transport*	All passengers	5	⊖	4	6	7	5	3
	Male		6 😑	4	6	7	5	4
% worried/concerned other passengers' beh		4 (4	5	7	6	2
	Age 16 to 34		6 😑	7	11	11	6	4
	Age 35 to 59		7 😑	4	2	6	4	3
	Age 60+	3 😑		1	5	5	7	3
Types of worrying/con	cerning behavio		autumn 2018	Autumn 2017**	Autumn 2016	Autumn 2015	Autumn 2014	Autumn 2013
	Loud use of mol		of passengers experiencing	2017	22	19	22	12
Passe	engers not paying f		ying/concerning behaviour in		22	11	6	5
	r threatening behav		and 2018 too small to report		3	13	8	31
	Rowdy behav	iour	·		19	39	45	56
	Feet on s	eats			42	28	35	21
Passengers not mov	ing out of priority s	eats			30	14	16	5
Passeng	gers playing loud m	usic			14	12	8	15
Passengers un	der influence of alc	ohol			6	23	24	N/A*
Passengers u	nder influence of d	rugs			0	3	4	5
	Graffiti/vanda	lism			3	4	6	5
	Smo	_			0	0	0	0
	Q. Did other p Base: All pass		viour give you cause to worry or make you fe	el uncomfortabl	e during yo	ur journey?		

Statistically significant increase since 2017

No change

Statistically significant decrease since 2017

Q. Which of the following were the reasons for [other passengers behaviour causing you concern]?

Base: All experiencing worrying/concerning behaviour – 23 (Caution small base) *Not asked in 2013

^{**}Base of passengers experiencing worrying/ concerning behaviour in 2018 too small to report



Tram Passenger Survey (TPS) – Blackpool

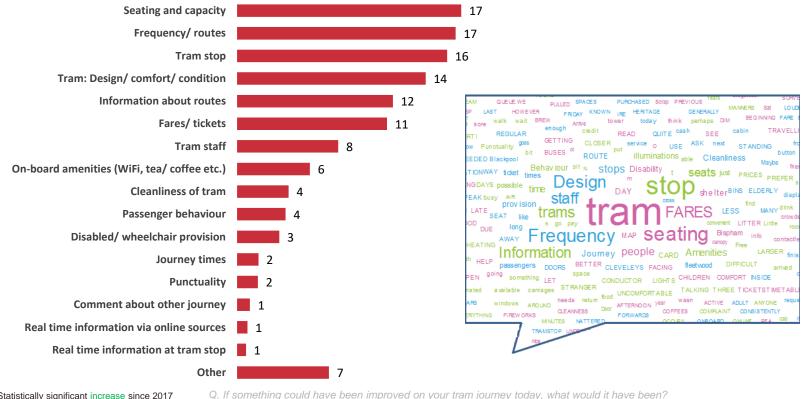
Passengers' suggested improvements

Passengers' suggested improvements: summary

Blackpool Transport*

76% of Blackpool passengers in 2018 had no suggestions for improvements

...of the 24% that did, the most common service areas for improvement were:



Statistically significant increase since 2017

Base: All suggesting an improvement - 178



Selected verbatim comments

The three day tickets should be for 3 x 24 hour periods not just three days. We purchased late afternoon so only active for 2 and a half days

I have been here for nearly 2 weeks and only got told that we could have got a weekly ticket

I think that at that time of the day there should be more carriages so there are not so many people standing

A poster at tram stop with fares. Not much time to ask the conductor when the doors open, so it would have been better if I had known about the day ticket beforehand

Map of tram route should be larger. At present, map in tram is difficult to read and high above the doors

Floors were dirty, the yellow wasn't yellow anymore because of the dirt and the seats need hoovering as are very dusty and dirty

Windows were open and the tram was cold as it was early in the morning. I am unable to reach all the windows due to my height. Do not think it could be improved. Excellent service, made our holiday most enjoyable. The value of the 24 hour ticket was excellent and enabled us to see everything at least twice.

It should have been made clearer that the tram I was on terminated at Cleveleys as I wanted to go to Fleetwood

Trams are too overcrowded and personal space goes out of the window. I was pushed up against the driver's cab. It's not what you want when you have just finished a 13 hour shift Only cash is accepted for tickets. Very strange. We would prefer to pay by credit card like on most UK trains, buses etc. Cash can be difficult to get hold of.

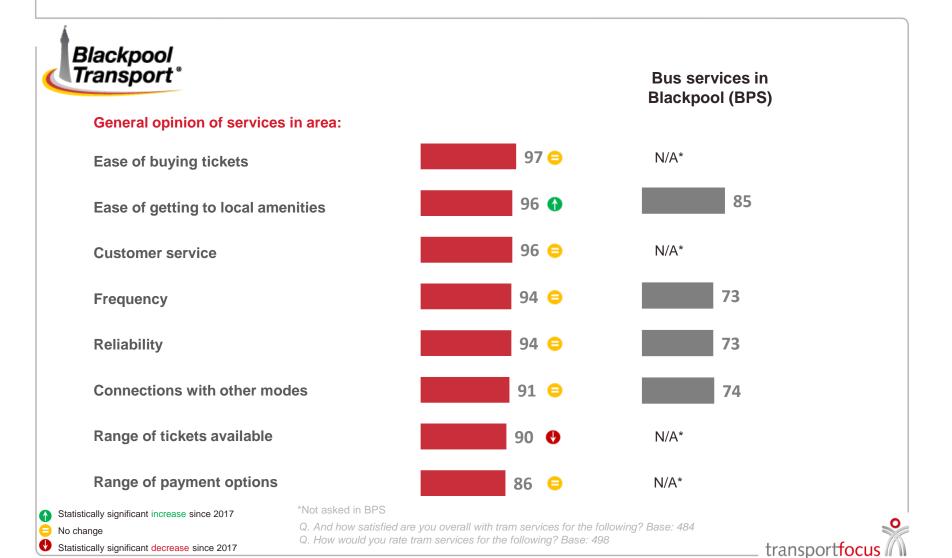


Tram Passenger Survey (TPS) – Blackpool

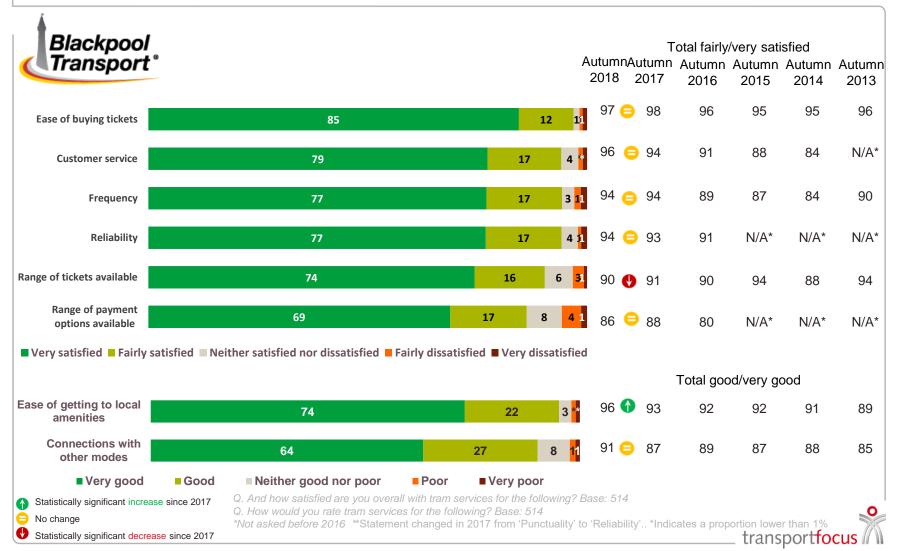
Opinion of trams in the local area

Opinion of trams in the local area: summary

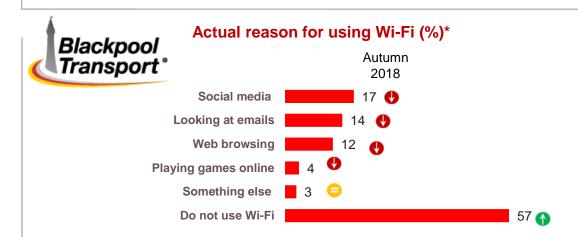
Statistically significant decrease since 2017



Satisfaction on the trams generally



Using Wi-Fi on board Blackpool trams



Expectation for using Wi-Fi (%)**

Autumn 2017	Autumn 2016	Autumn 2015	Autumr 2014
45	40	41	40
43	44	41	38
32	36	36	40
9	11	11	11
4	4	7	5
33	38	37	39

Total more likely to

travel by tram**

2016

28

Autumn Autumn

2015

32

Autumn Autumn

2017

23

2018

15

Does Wi-Fi affect tram usage (%)*



A little more likely to travel by tram

A little less likely to travel by tram

Much less likely to travel by tram

Statistically significant increase since 2017

No change

It does not affect my use of the tram

*As Wi-Fi is now available on the Blackpool Tramway, the question changed in 2018 with respondents being asked 'If you use Wi-Fi on this tram, what do you use it for? Base: All passengers - 514

And As Wi-Fi is now available, how does this affect your use of the Blackpool Tramway? Base: All passengers - 514

**Before Wi-Fl was available the question asked between 2014 and 2017 were:

Q. If you were able to use Wi-Fi whilst on this tram, what would it be to do? Base: All passengers - 467

Q. If Wi-Fi were available on these trams, how would this affect your use of the tram? Base: All passengers - 468 Statistically significant decrease since 2017

Autumn

2014

27

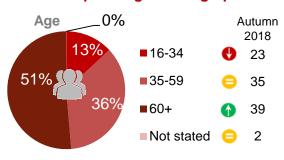


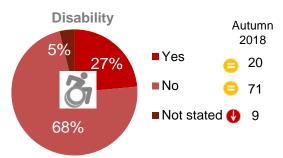
Tram Passenger Survey (TPS) – Blackpool

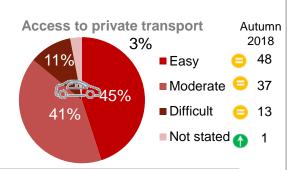
Appendix 1: the passenger and journey context

Blackpool passengers: summary

Overview of passenger demographics







Passengers' postcodes relative to tram network





transportfocus

Tram stop

Respondent

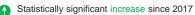


No change

46

Passenger profile

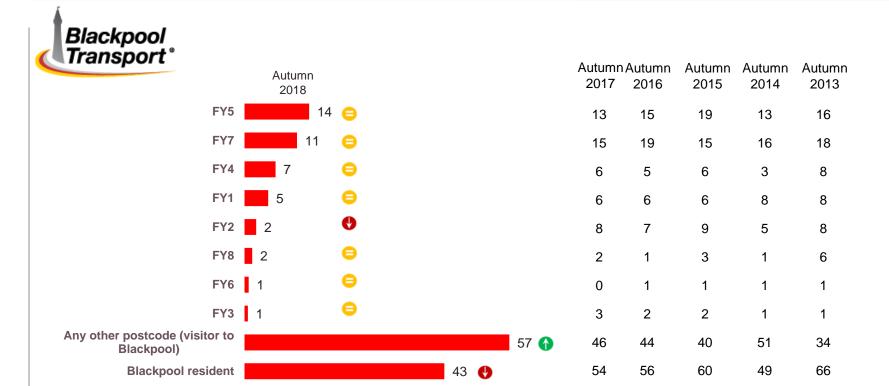
Age	Autumn 2018		Autumn 2017	Autumn 2016	Autumn 2015	Autumn 2014	Autumn 2013	Visitors 2018	Residents 2018
16-34	13		23	27	27	33	29	8	37
35-59	36		35	34	38	30	28	44	29
Over 60	51		39	37	34	38	44	47	33
Not stated	0		2	2	1	N/A	N/A	2	1
Access to private tra	nsport								
Easy	45		48	40	39	46	42	60	28
Moderate	41		37	43	42	40	42	22	59
Limited/none	11		13	15	14	11	14	17	13
Not stated	3	•	1	2	5	3	3	1	1
Has a disability									
Yes	27		20	21	21	24	20	19	24
Ticket type									
Free pass holders	16		16	18	16	9	36	4	30
Fare-payers	84		84	82	84	91	64	96	70
4i-4iUiifi4 i	0047								



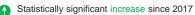
No change

Statistically significant decrease since 2017

Where Blackpool tram passengers live



Q: What is your postcode? Base: All giving a postcode – 444

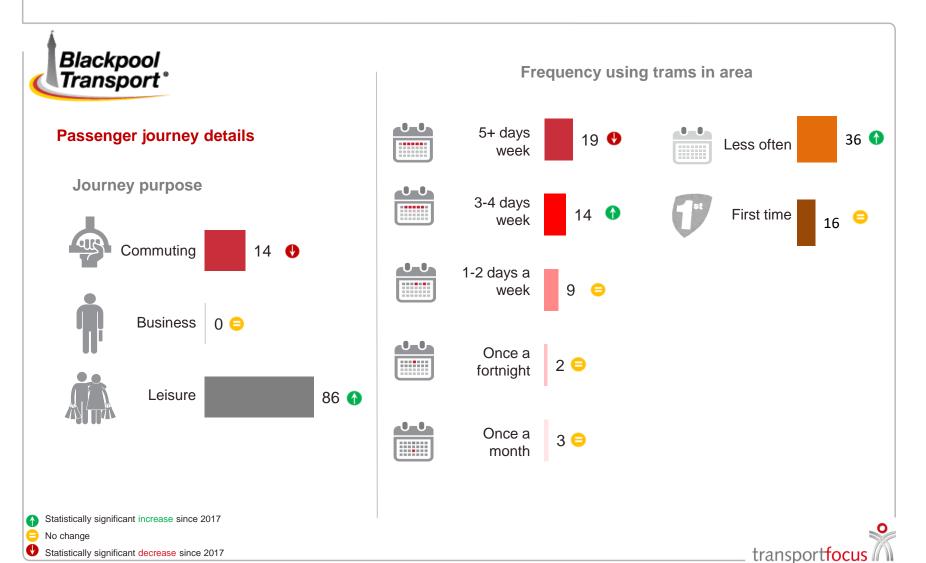


No change

Statistically significant decrease since 2017

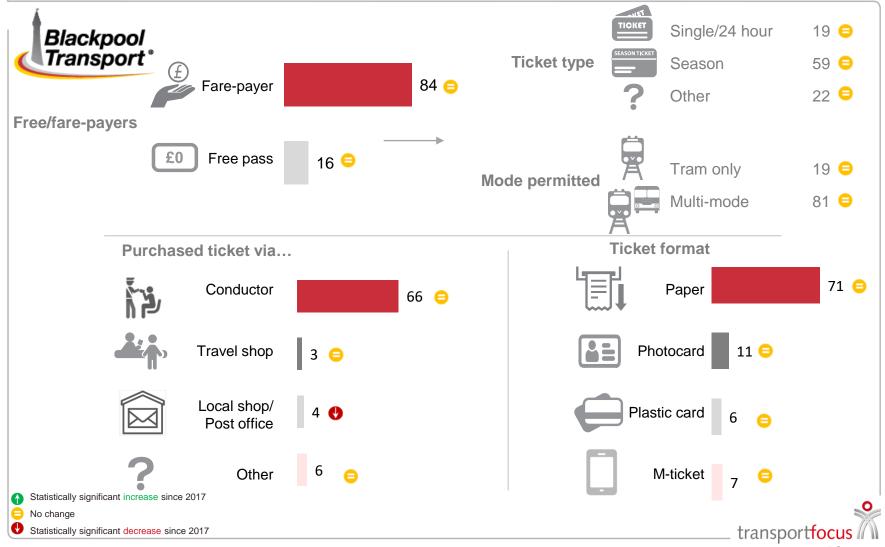


Blackpool journeys: summary (1)



Blackpool journeys: summary (2)

Tickets used for today's journey



Blackpool journeys: summary (3)

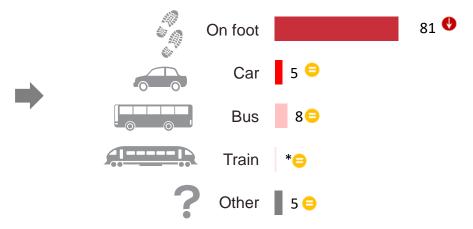
Most used tram stops: journey start

Cleveleys	10 😑
Fleetwood Ferry	10 😑
Starr Gate	9 😑
Tower	7 😑
North Pier	6 😑
South Pier	5 😑
Bispham	3 😑
Cabin	3 😑

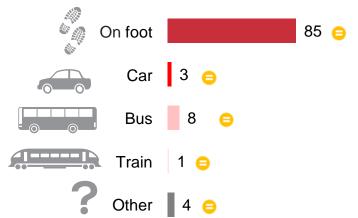
Most used tram stops: journey destination

Fleetwood Ferry	12 😑
North Pier	11 😑
Tower	11 😑
Starr Gate	9 😑
Cleveleys	7 😑
Bispham	5 😑
Pleasure Beach	4 😑
Central Pier	3 😑

Mode used to arrive at starting stop (all stops)



Mode used to travel on from destination stop (all stops)



Statistically significant increase since 2017

No change

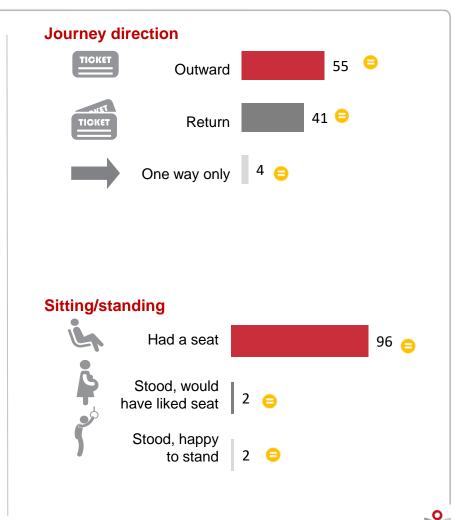
Statistically significant decrease since 2017

*Indicates a proportion lower than 1%



Blackpool journeys: summary (4)

Weather on day of journey Dry Light rain 13 • Heavy rain 4 • Other 0 =

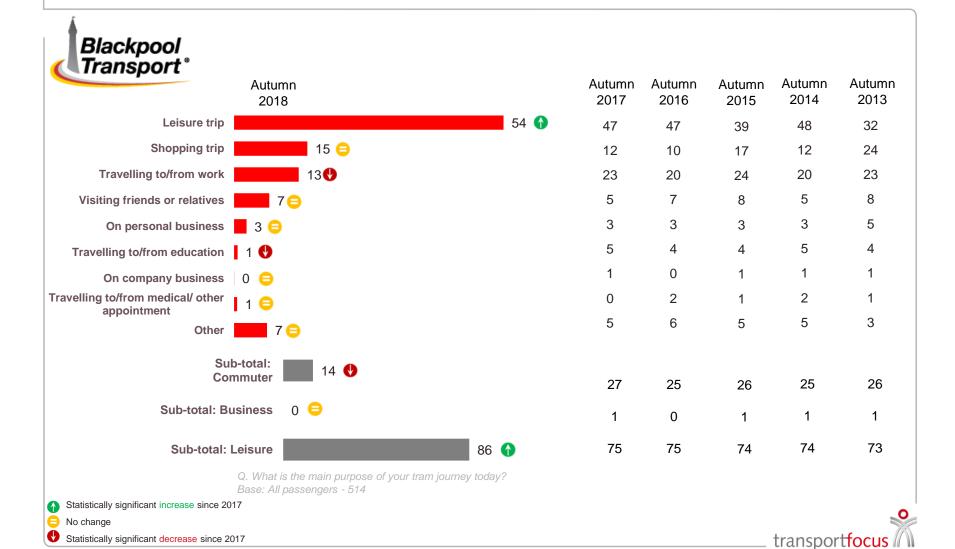


No chang

Statistically significant decrease since 2017

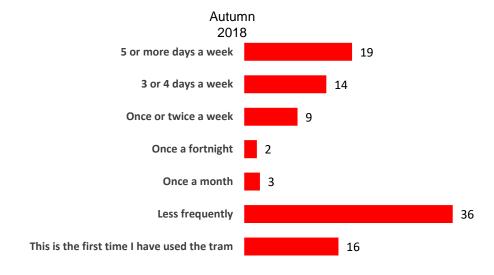
transportfocus

Journey purpose



Frequency of using Blackpool tramway





	Autumn 2017	Autumn 2016	Autumn 2015	Autumn 2014	Autumn 2013
Q	28	31	28	32	28
4	10	14	17	12	17
€	13	12	18	12	19
€	9 4	2	3	2	6
€	9 4	2	3	3	5
6	29	23	18	29	18
€	13	15	13	11	7

Q. How often do you typically travel by tram? Base: All passengers – 514

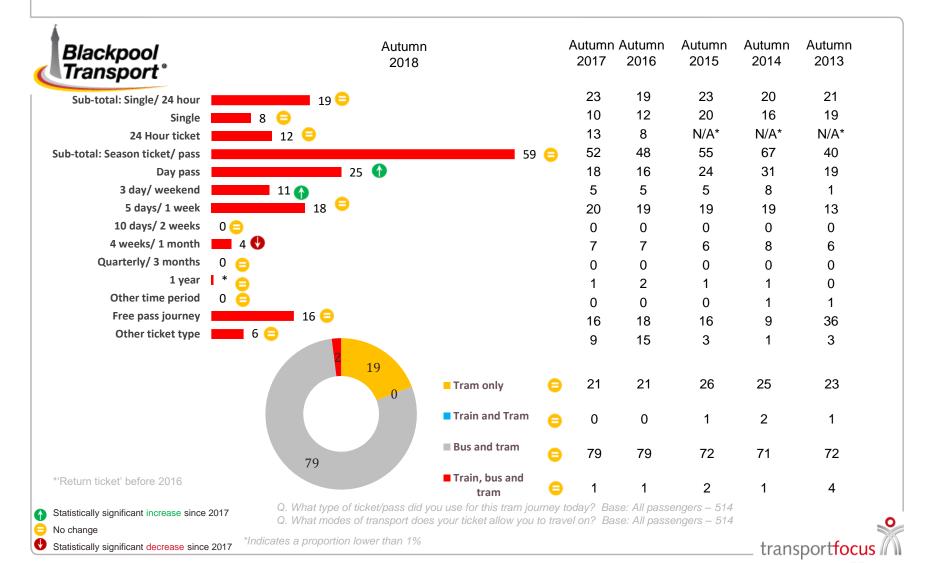


No change

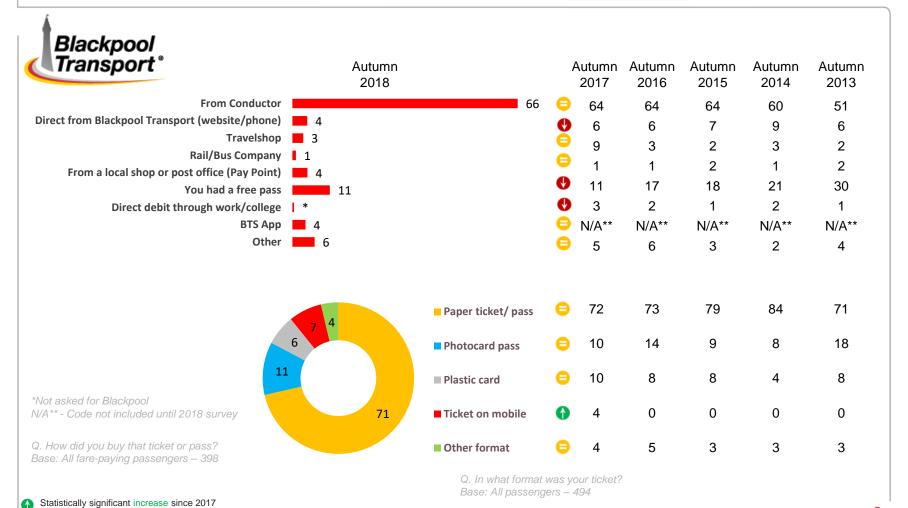
Statistically significant decrease since 2017



Ticket type and modes of transport permitted



Method of buying ticket and ticket format





No change

Blackpool stops used by passengers surveyed



55 per cent of passengers were on an outward journey, 41 per cent on a return and 4 per cent on a one-way trip (2017: 52 per cent, 42 per cent and 6 per cent respectively)

84 per cent had a seat for their whole journey, while 2 per cent said they had to stand but would have liked to have a seat (2017: 85 per cent and 2 per cent)

Boarding	Autumn Au 2018 2	itumn 2017	Autumn 2016	Autumn 2015	Autumn 2014	Autumn 2013	Alighting	Autumn, 2018	Autumn 2017	Autumn 2016	Autumn 2015	Autumn 2014	Autumn 2013
•Cleveleys	100	8	10	10	6	9	•Fleetwood Ferry	12	() 13	8	9	10	10
•Fleetwood Ferry	100	6	8	7	10	9	•North Pier	11	= 12	14	14	10	11
•Starr Gate	9 😑	12	8	7	8	10	•Tower	11	= 11	10	9	11	12
•Tower	7 😑	11	10	9	6	8	•Starr Gate	9	6	7	5	8	6
•North Pier	6 😑	9	8	9	11	10	•Cleveleys	7	a 8	9	10	12	13
•South Pier	5 😑	5	3	4	2	2	•Pleasure Beach	4	9 5	4	3	6	2
•Fisherman's Walk	29	3	4	5	4	5	•Sandhurst Avenu	e 2	9 4	4	1	4	4
•Norbreck	1 😑	3	4	2	4	3	•Fisherman's Walk	2	9 3	3	4	2	3

Any changes in tram stops used reflects the sample of passengers in this survey rather than actual usage of stops



Q: Were you on your outward or return journey? Base: All passengers - 500 Q. Did you get a seat on the tram? Base: All passengers - 510

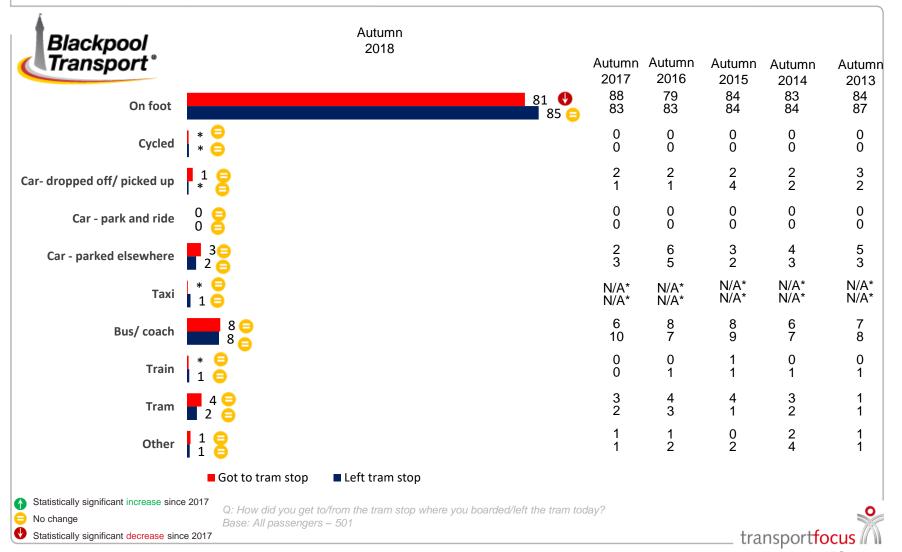
No change

Q: At which stop did you board/leave this tram? Base: All passengers - 515

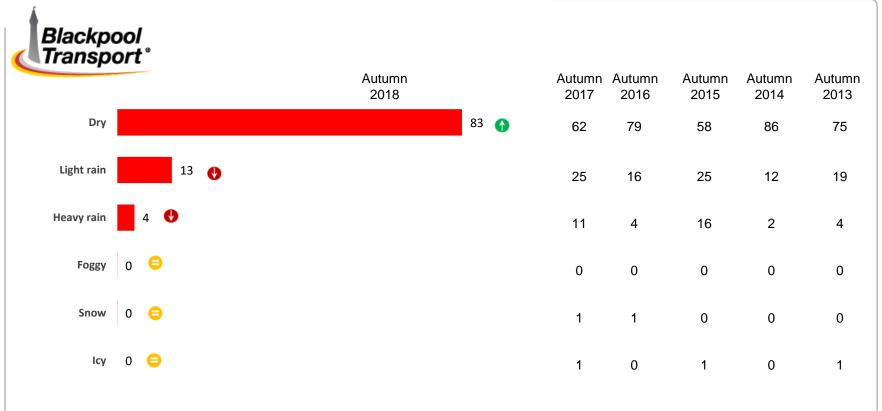
Statistically significant decrease since 2017



How got to and from the tram stop



Weather conditions when journey made



Q. What was the weather like when you made your journey? Base: All passengers - 514



No change

Statistically significant decrease since 2017



Reasons for choosing the tram



**Not asked in 2013

Other

Q. What was the main reason you chose to take the tram for this journey? Base: All passengers -505

3

4

No change

Statistically significant decrease since 2017



7

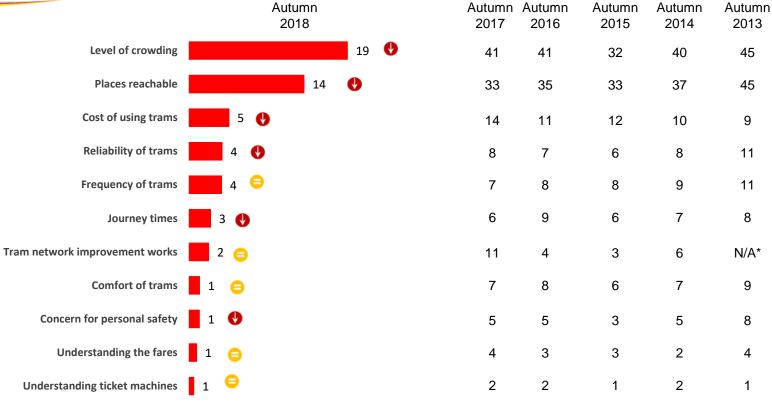
5

6

Statistically significant increase since 2017

Factors preventing more journeys being made





Statistically significant increase since 2017

No change

Statistically significant decrease since 2017

^{*}Not asked in 2013. The addition of 'Tram network improvement works' in TPS 2014 could have caused the significant drops in other factors

Q. Have any of the following frequently stopped you making journeys by tram? (More than one answer permissible)

Base: All previously using the tram – 255

transportfocus



Tram Passenger Survey (TPS)

Appendix 2 – Further details on survey background and method

Methodology – fieldwork

Blackpool tramway (TPS)

Fieldwork: 12 September to 10 November 2018 (with a gap for half term from 22 October to 28 October)

Interviewer shifts: covered all days of the week and ran from 6am to 10pm. Each interviewer worked a three-hour shift.

Method: Choice of paper or online self-completion questionnaire

Sample size: 514 interviews (457 paper and 57 online)

In 2017 fieldwork took place between 18 September to 8 December 2016

Bus (BPS) data for Blackpool area

Fieldwork: 10 September to 12 December 2018

Interviewer shifts: covered all days of the week and ran from 6am to 10pm. Each interviewer worked a three-hour shift

Method: Choice of paper or online self-completion questionnaire

Sample size: 477 interviews

Methodology – data analysis

Base definitions: All charts are based on those who gave an answer to an individual question. Those who either left the question blank or said 'don't know' have been excluded from the base. For this reason the base sizes for those charts based on 'All passengers' vary slightly between the different charts in this report.

Weighting: this was based on passenger count information collected by the interviewer during each interviewer shift. The weighting matrix used the following weighting cells:

- Tram network: (for Manchester Metrolink and Supertram, this was by line)
- Age: 16-34, 35-59, 60+
- Gender: male, female
- Time/day travelled: weekday peak, weekday off peak and weekend

The full details of the weighting matrix can be found in the TPS Autumn 2018 technical report.

Waiver

Transport Focus has taken care to ensure that the information contained in TPS is correct. However, no warranty, express or implied, is given as to its accuracy and Transport Focus does not accept any liability for error or omission.

Transport Focus is not responsible for how the information is used, how it is interpreted or what reliance is placed on it. Transport Focus does not guarantee that the information contained in TPS is fit for any particular purpose.

transportfocus

Methodology – themes that are affecting overall passenger satisfaction charts (1)

The approach to identifying themes that affect overall passenger satisfaction is split into two stages. At the first stage, we took all 25 individual satisfaction measures from the survey (apart from the overall journey satisfaction) and formed them into themes using a statistical technique known as factor analysis, which groups together those satisfaction measures that are responded to similarly within the data. For instance, where high or low scores are given for measure 'x', there tends to be a similar rating for measures 'y' and 'z', so the 'factor' or theme becomes 'A'. Through this process we identified ten themes, which are shown below, alongside measures that formed each theme:

Theme (factor)	Questions
1 On tram environment and comfort	Sufficient room for all the passengers to sit/stand
	The comfort of the seats
	The amount of personal space you had around you
	 Provision of grab rails to hold on to when standing/moving about the tram
	The temperature inside the tram
2 Tram stop condition	Its general condition/standard of maintenance
	Its freedom from graffiti/vandalism
	Its freedom from litter
3 Boarding the tram	The ease of getting on to and off of the tram
	The length of time it took to board the tram
4 Timeliness	The length of time you had to wait for the tram
	The punctuality of the tram
5 Access to the tram stop	Its distance from your journey start e.g. home, shops
	The convenience/accessibility of its location
6 Personal safety throughout journey	Behaviour of fellow passengers waiting at the stop
	Your personal safety whilst at the tram stop
	Your personal security whilst on the tram
7 Cleanliness and condition of the tram	The cleanliness and condition of the outside of the tram
	 The cleanliness and condition of the inside of the tram
8 Smoothness/speed of tram	The amount of time the journey took
	 Smoothness/freedom from jolting during the journey
9 Information throughout journey	The information provided at the tram stop
	Route/destination information on the outside of the tram
	The information provided inside the tram
10 Value for money	 How satisfied were you with the value for money of your tram journey?

Methodology – themes that are affecting overall passenger satisfaction charts (2)

For the second stage, these themes were then used to identify how much effect each one has on passengers' rating for overall journey satisfaction, by means of a key driver analysis.

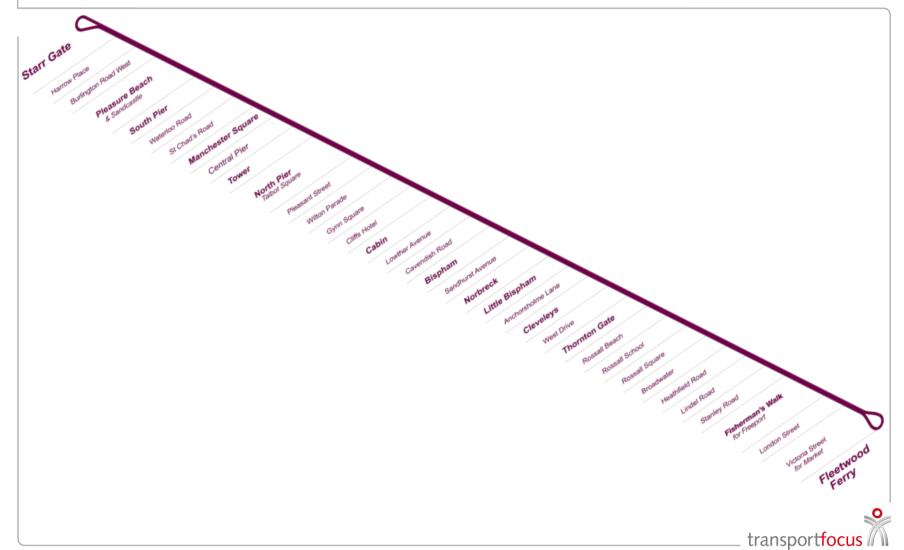
The square diagrams show the proportional influence that each theme has on satisfaction for that area/operator. They should be read like a pie chart where the slices or portions are relative to each other and together add up to 100%. So in the example below, the theme of 'on tram environment and comfort' which is shaded red, has the greatest influence on satisfaction, followed by 'smoothness/speed of tram', while themes such as 'boarding the tram' and 'information throughout journey' have relatively less influence here.

On tram environment and comfort	Value for money	Cleanliness and condition of the tram
Smoothness/speed of tram	Personal safety throughout journey	Access to the tram stop
Timeliness	Tram stop condition	Information throughout journey

This analysis was conducted on fare-paying passengers only, so that the influence of value for money could be included. It also combines data from 2016 and 2017 surveys to increase robustness. The analysis excludes satisfaction measures relating to tram staff; due to differences in staff availability across the networks not all TPS questionnaires feature questions about tram staff. In order to run the analysis in a consistent and practical manner all staff measures have been excluded.

There are noticeable and interesting differences in the impact of different themes between the various tram networks.

The Blackpool tramway route map





Tram Passenger Survey (TPS)

Appendix 3 –questionnaire







Thank you for agreeing to take part in our survey about the tram journey you made when given this questionnaire.

There are also questions about your general experiences at the end.

All the information you give will be treated in the strictest confidence.

Your views as a passenger are important.

Transport Focus is the official, independent consumer watchdog that promotes the interests of transport users.

Tram companies, local authorities and governments act on the survey results. They are the evidence we use to seek improvements on behalf of passengers.

Completing the questionnaire

Please fill in the questionnaire after completing your journey on the Blackpool Tramway.

Please tick only one box per question, unless directed otherwise.

About your journey on the Blackpool Tramway

After completing the questionnaire, please return it to us in the reply paid envelope provided.

If you prefer to fill the questionnaire in online, then please go to www.tramsurvey.co.uk/Blackpool WHEN ANSWERING:

CONSIDER ONLY THE JOURNEY YOU MADE WHEN GIVEN THIS QUESTIONNAIRE

Q1a	At which stop did you board this	s tram?							
Q1b	At which stop did you leave this	tram?							
Q2	Please fill in the time that you be Use the 24 hr. clock e.g. 5:25pm is Enter your time of boarding into th	17:25							
Q3a	What type of ticket or pass did you use for this journey on the Blackpool Tramway? Season Ticket/ Saver Single/ Return ticket								
	1 day		Single ticket						
	3 day		24 hour ticket						
	7 days/ 1 week		A free pass or free journey						
	30 days/ 1 month		Elderly person's pass						
	1 year	_ 🗆	Disabled person's pass						
	Other time period (please write		Complimentary/ free ticket						
	in)		Other ticket						
			Family/ group ticket						
		_	Other						
ОЗЬ	What modes of transport does y	our ticket	allow you to travel on?						
woD	Tram only		•	п					

-	Min.o.		man b	
1 0	IIICe	ube	OFII	у.

BL



Q4	In what format was your ticket? A standard paper ticket/ pass			mac	hine	ard you touched on to the fare	<u>_</u>			
	A photo card ticket/ pass An m-ticket (sent to your mobile phone)			Othe	r form	at				
Q5a	How did you buy that ticket or pass?									
	From Conductor			You	had a	al shop or post office (Pay Point) free pass t through work/ college				
	Travel shopRail/ Bus Company									
Q5b	How did you pay for your ticket?									
	Cash Debit or credit card					s payment/ not applicable				
Q6	What is the main purpose of your journ	ey on t	the E	Black	pool T	ramway today?				
	Travelling to/ from work	e, schoo oloyed) k, post	ol) offic	 e).	0 0 0	Shopping trip				
Q7	Were you on your outward or return jou Outward Return	irney v	when			given a questionnaire? ip only	0			
Q8	Were you travelling with? (Please tick		at apj		_		_			
	Heavy/ bulky luggage Shopping bags									
	A shopping trolley	ä				cooter	H			
	A pushchair, buggy or pram	ŏ				air	ŏ			
	Children (under 12)					above	ō			
	A folding bicycle						_			
Q9	How did you get to the tram stop where you boarded this tram today?									
	On foot/ walked									
	Cycled									
	Car - dropped off									
	Taxi			Otne	·					
Q10	Which means of transport did you use	when y	you g	ot o	ff this	tram today?				
	On foot/walked									
	Cycled									
	Car - dropped off									
	Car - parked			Othe	r					
_	Taxi									
Q11	What was the main reason you chose to (please tick all that apply)	take 1	the E	Black	pool 1	ramway for this journey?				
	Cheaper than the car			В	est wa	y to get where I am going				
	Cheaper than other transport					ore comfortable than other transport				
	More convenient than the car (e.g. parkin Didn't have the option of travelling by and	ther		O	ther (p	experience of riding the tram lease write in)				
	means									

Q12	What was the weather like when you made	your jo					п							
	Dry						ä							
	Heavy rain		Snow											
2	0 h 4 th - 4 4 1 1 4 th	i- Dii												
2	About the tram stop where you boarded th	IIS BIACE	(pool tram											
Q13	Thinking about the tram stop itself, how sa													
		Very satisfied	Fairly Satisfied	Neither satisfied nor dissatisfied	Fairly dissatisfied	Very dissatisfied	Don't know/ no opinion							
	tance from your journey start e.g. home/ shops													
	onvenience/accessibility of its location													
_	neral condition/standard of maintenance													
	edom from graffiti/vandalismedom from litter													
	iour of fellow passengers waiting at the stop	ä		ä		H	ä							
	formation provided at the tram stop	ä	ă	ă	ö	ă	ŏ							
	personal safety whilst at the tram stop													
Q14	Overall how satisfied were you with the tra	ım stop'	?											
	Very satisfied		Fairly dissat	isfied										
	Fairly satisfied			sfied										
	Neither satisfied nor dissatisfied		Don't know/	no opinion										
3	Waiting for the tram													
Q15	Approximately, how long did you wait for t	ho tram	2		1									
Q13	(Please write the time in minutes)	ine train												
Q16	Did you check any of the following to find (please tick all that apply)	out whe	n the tram v	was meant to	o arrive?									
	Before leaving for the tram stop		At the tra	am stop										
	Leaflet/paper timetable	🗆	Informati	on posters a	t the stop									
	Online tram times	🗆	Online tra	am times										
	Disruption updates (e.g. Twitter/ Facebook)			n updates (e	-									
	Telephoned for information			ned for inform										
	BTS App													
	Other	_												
	If you did not check to find out when the tr (please tick all that apply)	ram was	meant to ar	rrive, why w	as this?									
	Knew the trams ran frequently on this route	🗆	Didn't ha	ve time										
	Already knew arrival times		Did not n	natter to me	when the trai	m was								
			meant to	arrive										
	Could not find the information	🗆	Other											
Q17	Approximately, how long did you expect to	wait fo	r the tram?											
	(Please write the time in minutes)						_							
Q18a	Thinking about the time you waited for the	tram to	day, was it.											
	Much longer than expected		A little less t	ime than you	expected									
	A little longer than expected			me than you										
_	About the length of time you expected													
Q18b	Were you able to board the first tram you w	wanted t	to travel on?	,										
	Yes		No											

Q19	How satisfied were you with each of the fol	lowing a	t the tram	ston2			
Q 13	now satisfied were you with each of the for	Very satisfied	Fairly Satisfied	Neither satisfied nor dissatisfied	Fairly dissatisfied	Very dissatisfied	Don't know/ no opinion
	ngth of time you had to wait for the tram nctuality of the tram (arriving on time)						
4	On the tram						
Q20	Thinking about when the tram arrived, plea	se indica Very	ate how sa Fairly	tistied you v Neither	were with the Fairly	e following: Very	Don't
		satisfied	Satisfied	satisfied nor dissatisfied	dissatisfied	dissatisfied	know/ no opinion
Route/d	estination information on the outside of the tram						
	anliness & condition of the outside of the tram						
	se of getting onto the tram						
The len	gth of time it took to board the tram						
Q21	Thinking about whilst you were on the tram	ı, please	indicate h	ow satisfied	l you were w	ith the follo	owing:
		Very satisfied	Fairty Satisfied	Neither satisfied nor dissatisfied	Fairly dissatisfied	Very dissatisfied	Don't know/ no opinion
	eanliness & condition of the inside of the tram.						<u> </u>
	ormation provided inside the tram						
	ent room for all the passengers to sit/stand						
	mfort of the seats nount of personal space you had around you						
	on of grab rails to hold on to when			ш			
	g/moving about the tram					П	
	nperature inside the tram	ă	ă	ă	ă	ă	ă
	ersonal security whilst on the tram						
The an	nount of time the journey took						
	nness/freedom from jolting during the journey.						
The ea	se of getting off the tram						
Q22	Did you get a seat on the tram?						
	Yes – for all of the journey				to stand liked a seat.		
Q23a	Did other passengers' behaviour give you o journey?	cause to	worry or n	nake you fee	el uncomfor	table during	your
	Yes		No				
Q23b	If yes: Which of the following were the reas	son(s) fo	rthis? (P	lease tick al	l that apply)		
	Passengers drinking/under the influence of		Pas	sengers not	paying their f	ares	
	alcohol] Fee	t on seats			
	Passengers taking/under the influence of dru	gs [Mus	ic being play	ed loudly		
	Abusive or threatening behaviour						
	Rowdy behaviour				ism		
	Passengers not moving out of priority seats	L			ile phones		_ _
Q23c	If yes: What local area was the tram travell concerned? (Please write in)	ing thro	ugh or at w	vhich stop w	as it when y	ou were wo	orried or
	vonsemed: It reduce write my						1
Q24a	Was your journey on the Blackpool Tramwa	ay today	delayed a	t all?			-
	V						_

Q24b	If yes: Why was this? (Please tick all that	apply)													_
	Due to a signal/points failure	п т	me it took	passengers to	hoard/nay fi	or tickets		232	All things considered, how much do you tru	ist the tr	am compa	ny that ope	rated the tra	m that you	used
	Road congestion/traffic jam	_		eplacement s					for this journey (Please tick one box only)					_	
	Due to a tram failure		ther (pleas		el vice										
	Planned engineering works		thei (pieas	e write iii)			_								
	Poor weather conditions									100					
	The tram waiting too long at stops		o reason di	ven					1 2 3	4		5	6	7	
	The tram waiting too long at signals		_	ve			_				_			Ιп	
	The dain waiting too long at signals		OIT E KITOW						to NOT trust					TRUST them:	,
Q25	If yes: By approximately how long was	your journ	ey today d	elayed?					them at all					GREAT deal	d
	(Please write the time in minutes)		Γ]			•	Your opinion of Blackpool Tramway genera	lly					
_								WHE	N ANSWERING THIS SECTION PLEASE C	ONSIDE	R BLACK	POOL TRA	AMWAY SE	RVICES	
Q26	Were any of these items of information p	resent on	the						RALLY (NOT JUST THE JOURNEY YOU						
	tram?			Yes	No	Don't kn	ow		•						
				_	_	_		233a	How would you rate Blackpool Tramway se	rvices fo					
	of the tram route/journey times										Very go	od Fairly good	Neither good nor	Fairly	Ven
	announcements e.g. saying the next tram sto				H	H						good	good nor	poor	poo
	ctronic display e.g. showing the next tram sto ation about tickets/fares				ä			Ease	of getting to local amenities (e.g. shops, hospitals	, leisure					
	table			ä	ä			acilitie	es)						
	of how to contact the tram company, for exa			ш				Conne	ction with other forms of public transport (e.g. tra	ins/buse	s) 🗆				
	aint or find out information							2001						-	
	ri-fi				ă	ä		433D	And how satisfied are you overall with Blac	кроот тга	imway ser	vices for the	e following:		
riee w	/1-11									Verv	Fairty	Neither	Fairly	Very	Don
Q27	Thinking about any Blackpool Tramway	staff vou e	ncountere	d on your io	urnev. pleas	e indicate l	now			satisfied	Satisfied	satisfied nor	dissatisfied	dissatisfied	know/
	satisfied you were with each of the follow			, , , , ,	3,1			_		_	_	dissatisfied	_	_	opinio
	•	Very	Fairly	Neither	Fairly	Very	Don't		of buying your ticket bility (running on time)						
		satisfied	Satisfied	satisfied nor	dissatisfied	dissatisfied	know/ no		uency (how often the trams run)		_	ä			
The er	and a second of any staff			dissatisfied			opinion		e of tickets available	ö	_	ö	ă	ö	
	pearance of any staffeeting/welcome you got from the staff		ä	ä	ä	ä			e of payment options available	_	_	_	ō	_	_
	elpfulness and attitude of the staff								omer service						
	fety of the driving (i.e. appropriateness of		_	_	_	_									
	driver concentrating)							234a		tram ser	vices, e.g.	times, fares	s, where wou	ıld you obt	ain tha
	owledge of the staff								information (Please tick all that apply)						
5	Your overall opinion of the journey you	made wher	aiven thi	s questionna	ire				Phone: Blackpool Transport						
	,								Internet: Blackpool Transport website						
Q28	Overall, taking everything into account f	rom start t	o end of th	nis journey, h	ow satisfie	d were you	with		Internet: Other travel website (Traveline)	_					
	your journey on the Blackpool Tramway	today?							Twitter: Blackpool Transport						
	Very satisfied		Fairly dissa	tisfied					Facebook: Blackpool Transport	ш					
	Fairly satisfied			isfied							Not sure.				
	Neither satisfied nor dissatisfied		Don't know	/ no opinion				234b	If you use Wi-Fi whilst on this tram, what do	you use	e it for?				
Q29	If something could have been improved	on your jo	urney on t	he Blackpoo	l Tramway t	oday what v	would it		Looking at e-mails		Playing	ames online			
	have been?								Social media						
									Web browsing						ŏ
									Web blowsing	_	Do not us				_
_								234c	As Wi-Fi is now available, how does this aff	ect your	use of the	tram?			
Q30	How satisfied were you with the value fo	r money o	f your jour	ney on the B	lackpool Tr	amway?			I am much more likely to travel by tram		I am a litt	le less likelv	to travel by t	ram	
	Very satisfied		Fairly dissa	tisfied					I am a little more likely to travel by tram				to travel by tr		
	Fairly satisfied			isfied					It does not affect my use of the tram		· ani mac	ACSS linely	uuveruy u		_
	Neither satisfied nor dissatisfied		Don't know	/ no opinion					,,						
Q31	What had the biggest influence on the 'v	alue for m	onev' ratin	g vou gave i	n the previo	us question	1?	235	How often do you typically travel on the Bla (Please tick the closest to your frequency of tra		ramway?				
.,	The cost for the distance travelled			Comfort/journ											_
	The cost of the tram versus other modes of			paid			п								
	The fare in comparison to the cost of even			A reason not			_						Blackpool Tr		
	items			(please write					Once or twice a week	s is the fir	st ame i na	ve usea the	DISCREDOOL LL	amway	ш
					,,,,,				Once a fortnight						

Q36	ii you nave used the Biackpool Tramw	ay bei	fore, how typical would you say today's experience	was?
	Much better than usual		A little worse than usual	
	A little better than usual		Much worse than usual	
	About the same as usual			
37	Have any of the following frequently s	toppe	d you making journeys by tram? (Please tick all that	apply)
	The places you can reach by tram		How long the journeys take when going by tram	
	The frequency of trams in the area		The comfort of the trams	
	The reliability of the trams		The level of crowding on the trams	
	The cost of using the tram		A concern for your personal safety on tram	
	Understanding the fares		Tram network improvement work	
	Understanding the ticket machines			
'	About you			
artic /e a:	ular individual. You are also free to decide	whethe	s here is used for research purposes only and not to ideer you want to give us this information or not. v different passengers' experiences vary, so, for exampre middle aged or of retirement age.	
QΑ	Are you?			
	Male		Female	
_	Prefer another term		Prefer not to say	
QВ	Are you?		_	
	_		65 to 69	
	_		70 to 79	
	_			
	26 to 34 60 to	64	Prefer not to say	
C	Which of the following best describes	-		
	White		Black, African/Caribbean or Black British	
	Mixed/multiple ethnic groups		Chinese	
	Asian or Asian British Other ethnic group	ö	Arab Prefer not to say	
D	In terms of having a car to drive, which	h of th	e following applies?	
-	You have a car available and don't mind		You have a car available but prefer not to drive	
	driving		•	
	You don't have a car available			
QΕ	How often are you able to ask someon	e else	to drive you for local journeys?	
ĮΕ	How often are you able to ask someon All or most of the time	e else	to drive you for local journeys? You don't have anybody you can ask	
QΕ				
_	All or most of the time Some of the time Are you affected by any physical or m months or more? (Please tick all that ap	ental h	You don't have anybody you can ask Not applicable nealth conditions or illnesses lasting or expected to	last 12
_	All or most of the time	ental h	You don't have anybody you can ask Not applicable nealth conditions or illnesses lasting or expected to	
_	All or most of the time	ental h	You don't have anybody you can ask Not applicable nealth conditions or illnesses lasting or expected to	
_	All or most of the time	ental h	You don't have anybody you can ask Not applicable nealth conditions or illnesses lasting or expected to	
_	All or most of the time	ental h	You don't have anybody you can ask Not applicable nealth conditions or illnesses lasting or expected to	
_	All or most of the time	ental hoply) ght) hearing	You don't have anybody you can ask	
_	All or most of the time	ental hoply) ght) nearing ort dista	You don't have anybody you can ask	
_	All or most of the time Some of the time Are you affected by any physical or months or more? (Please tick all that ap No – None Yes – Vision (e.g. blindness or partial si Yes – Hearing (e.g. deafness or partial Yes – Mobility (e.g only able to walk sho Yes – Dexterity (e.g. difficulty lifting and Yes – Learning or understanding or con Yes – Memory	ental h pply) ght) hearing ort dista carryir	You don't have anybody you can ask	
_	All or most of the time	ental heply) ght) hearing ort dista	You don't have anybody you can ask	
_	All or most of the time Some of the time Are you affected by any physical or m months or more? (Please tick all that ap No – None Yes – Vision (e.g. blindness or partial si Yes – Hearing (e.g. deafness or partial I Yes – Mobility (e.g. only able to walk shot Yes – Dexterity (e.g. difficulty lifting and Yes – Learning or understanding or con Yes – Memory Yes – Mental health Yes – Stamina or breathing fatigue Yes – Socially or behaviourally (for exar	ental hoply) ght) hearing ort dista carryin	You don't have anybody you can ask	
_	All or most of the time. Some of the time. Are you affected by any physical or months or more? (Please tick all that ap No – None. Yes – Vision (e.g. blindness or partial si Yes – Hearing (e.g. deafness or partial lyes – Mobility (e.g. only able to walk sho Yes – Dexterity (e.g. difficulty lifting and Yes – Learning or understanding or con Yes – Memory. Yes – Mental health. Yes – Stamina or breathing fatigue. Yes – Socially or behaviourally (for exam Asperger's syndrome).	ental h pply) ght) hearing ort dista carryin central	You don't have anybody you can ask	D last 12
QF	All or most of the time Some of the time Are you affected by any physical or months or more? (Please tick all that ap No - None Yes - Vision (e.g. blindness or partial si Yes - Hearing (e.g. deafness or partial lyes - Mobility (e.g. difficulty lifting and Yes - Dexterity (e.g. difficulty lifting and Yes - Learning or understanding or con Yes - Memory Yes - Mental health. Yes - Stamina or breathing fatigue Yes - Socially or behaviourally (for exar Asperger's syndrome) Yes - A condition not mentioned above.	ental hoply) ght) hearingort dista carryir central	You don't have anybody you can ask	D Iast 12

	Does your condition or illness have an adverse effect on your ability to make journeys by tram? Yes, a lot
gG	And finally, to help us get a better picture of tram services at a local level, it would be helpful if you could provide us with your home postcode. If you provide it, this will be used to help understand tram usage and make improvements locally. Your postcode will not be used to identify you personally and will only be used for research purposes.
	Please write in your home postcode here Live outside the UK
low t	the information you have provided will be used (General Data Protection Regulations)
our p inyon ind no	name, address, email address or phone number – your personal information personal information will always be handled confidentially. We will not make your personal information available the without your knowledge and consent. It will be used solely for the purposes of this research and quality contro to sales or marketing contact will result from this survey. You have the right to access, withdraw your consent to and object to processing of your personal information.
our	responses to the questions in this survey, including the 'about you' section
urpo n this he su ompa	responses to the questions in this survey will always be handled confidentially. They will be used solely for the ses of the research and will not be used to identify you personally. We may share the responses to the questions survey, including postcode (if you have provided this) with other organisations that have a legitimate interest in invey data, such as, but not limited to, local transport authorities, government departments, tram operating anies and academic institutions. Any organisations receiving the data will also be subject to the same restrictions bligations under GDPR.
	me of the information we ask for in the 'about you' section is considered to be sensitive information we require yo nt for this sensitive information to be stored and processed as described above.
lease	e confirm whether or not you consent to this: Yes I consent
or fu	Iso have the right to access, withdraw your consent to use, and object to processing of your sensitive information rither information about your legal rights and how to exercise these please contact AECOM's Data Protection

ave any queries about this survey or how your data will be used please contact Jodie Knight at AECOM on 0161 28. If you would like to check that this survey is genuine, you can contact the Market Research Society on 0800 or www.mrs.org.uk who will verify AECOM's status as a legitimate market research organisation.

out more about the Tram Passenger Survey or Transport Focus' work visit our website ansportfocus.org.uk) or follow us on Twitter (@transportfocus).

ould be happy to participate in future research projects about the transport industry for Transport Focus please te the contact details below.

Name:																	
Email address:																	

Thank you for completing this questionnaire.

Please return it in the envelope provided or use the following Freepost address:



Freepost RTCU-LLTT-UHJA AECOM Limited AECOM House 179 Moss Lane HALE WA15 8FH



72



Tram Passenger Survey (TPS) – Blackpool

Autumn 2018 results
April 2019

Transport Focus, Fleetbank House, 2-6 Salisbury Square, London, EC4Y 8JX Insight@transportfocus.org.uk



