







Traffic safety research

(Interviewing and analysis carried out under ROSEE project)

Research Report

Slovenian Traffic Safety Agency

Ljubljana, June 2014



CONTENT OF RESEARCH REPORT

- Project definition
- Results summary
- R 1. Web research
- 2. Field research Ljubljana
- 3. Field research Maribor



RESEARCH GOALS AND RESEARCH METHOD

- Slovenia traffic safety agency is developing a pilot model in the Central Slovenian region and Podravska region, where effective measures for traffic safety of cyclist will be executed
- In Ljubljana, a bicycle counter was placed in the area of Dunajska road in April 2014. In Maribor, a "sharrow" zone was implemented a common traffic surface with enables the cyclists to share the traffic lane by using the space in the middle of the roadway.
- The purpose of the study was to gain insight into public opinion about the traffic safety and the conduct of participants, above all cyclists, car drivers and pedestrians, in traffic at the locations of the bicycle counter (Ljubljana) and the implemented "sharrow" surface (Maribor) before and after the implementation of these measures.

Method

- 1. Web survey by use of Mediana Web Panel
 - General public, aged 18+
 - Before measure (ex-ante): N=305
 - After measure (ex-post): N=324
 - Interviewing was conducted between 23rd and 26th of September (ex-ante) and 8th to 11th of April 2014 (ex-post)

Q 2. Field interviewing in Ljubljana

- General public, aged 15+
- Before measure (ex-ante): N=151 (in front of Delo building, Bavarski Dvor, opposed to Union brewery − Celovška cesta)
- After measure (ex-post): N=150 (near the counter, in front of Delo building)
- Interviewing was conducted between 26th and 27th of September (ex-ante) and 4th to 7th April 2014 (ex-post)

3. Field interviewing in Maribor

- General public, aged 15+
- Before measure (ex-ante): N=150 (Slomškov square)
- After measure (ex-post): N=150 (Slomškov square)
- lnterviewing was conducted between 6th and 8th of November (ex-ante) and 4th to 26th of April 2014 (ex-post)





SUMMARY AND EVALUATION OF RESULTS

SUMMARY (1)

- Perception of traffic and traffic safety in general Slovenia
 - Over 80 % of respondents are worried because of traffic safety in Slovenia.
 - Over 60 % of respondents think that our roads are not safe or not safe at all.
 - Among suggestions for improvement of traffic safety, respondents most often mentioned: renovation of traffic infrastructure and improvement of traffic culture among participants in traffic.
 - Most respondents (about 40 % of all) use car the most on a daily basis
 - Two thirds of respondents need up to 40 minutes to get to work/school; about two tenths of participants need more than an hour to get there.
 - Control of participants goes to work/school by car, but would prefer to get there on foot.
 - Among factors that would contribute to larger use of bicycles as means of transport to work/school, we can find: maintenance of bicycle paths, distance and better options of parking for the bicycles.



SUMMARY (2)

Bicycle counter – Ljubljana

- At the location in Ljubljana, over a fifth of respondents already experienced a conflict traffic situation before the measure implementation → the same is true for a tenth of participants after the implementation.
- At the location of interviewing before the measure, 45 % of respondents didn't feel threatened, which is also true for 58 % of respondents at the location of interviewing after the measure implementation.
- B About two thirds of respondents noticed its implementation.
- Almost all respondents find the bicycle counter noticeable and think that it's noticed the most by pedestrians.
- About half of the respondents before the implementation and 40 % of respondents in the research after the implementation think that the bicycle counter improves the traffic safety at the location.
- ® 80 % of respondents before implementation and 84 % respondents after implementation support the implementation of bicycle counter at the location
- In order improve the traffic safety, respondents suggest tighter control of the traffic and improvement of culture of participants in traffic.
- About two thirds of respondents in Ljubljana evaluate the road as safe or very safe.



SUMMARY (3)

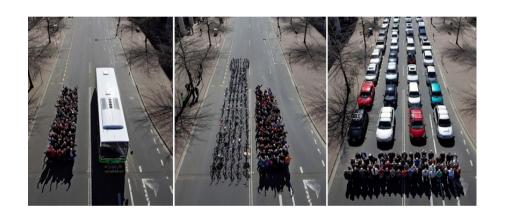
Sharrow zone – Maribor

- At the location in Maribor, 28 % of respondents already experienced a conflict traffic situation before the measure implementation → the same is true for 14 % of participants after the implementation.
- At the location of interviewing 25 % of respondents felt threatened before the implementation → after the implementation this share went down to 18 %
- Almost three quarters of drivers or cyclists noticed Sharrow after its implementation
- Generally, respondents think that sharrow is noticed more by cyclists as it is by car drivers.
- Participants think that the main purpose of sharrow is greater traffic safety, greater safety of cyclists and increased attention of car drivers regarding the cyclists.
- More than 80 % of respondents think that sharrow contributes to larger safety in traffic; over 80 % of participants would support the implementation of sharrow on other similar locations in the city.
- About three quarters of respondents in Maribor evaluate the road as safe or very safe.



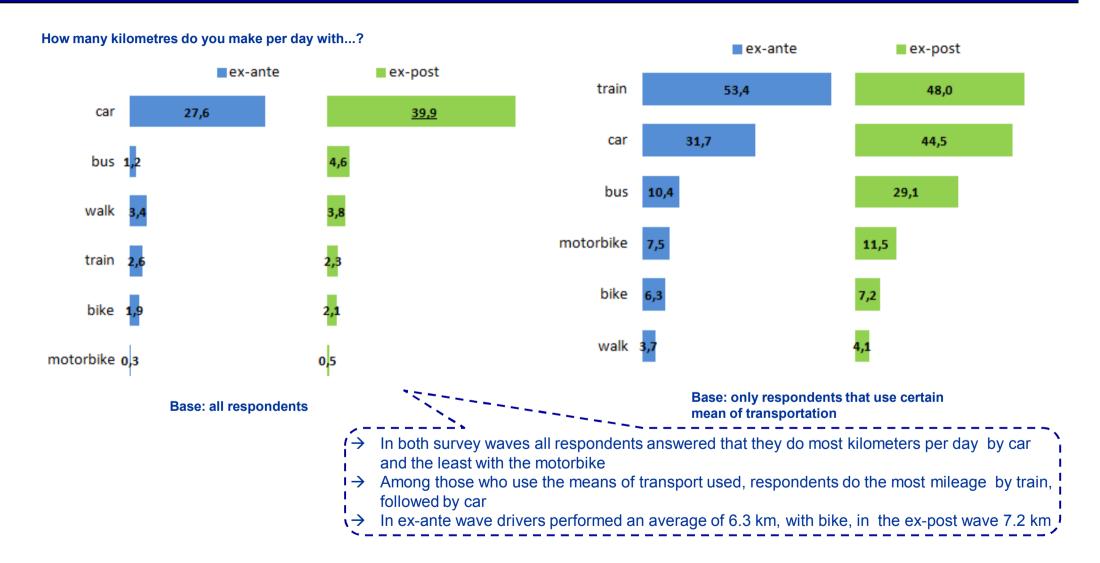


1. WEB RESEARCH - SLOVENIA



1.1 WEB RESEARCH TRAFFIC RELATED HABITS

AVERAGE NR. OF KM / DAY Daily, most of the mileage is made with car

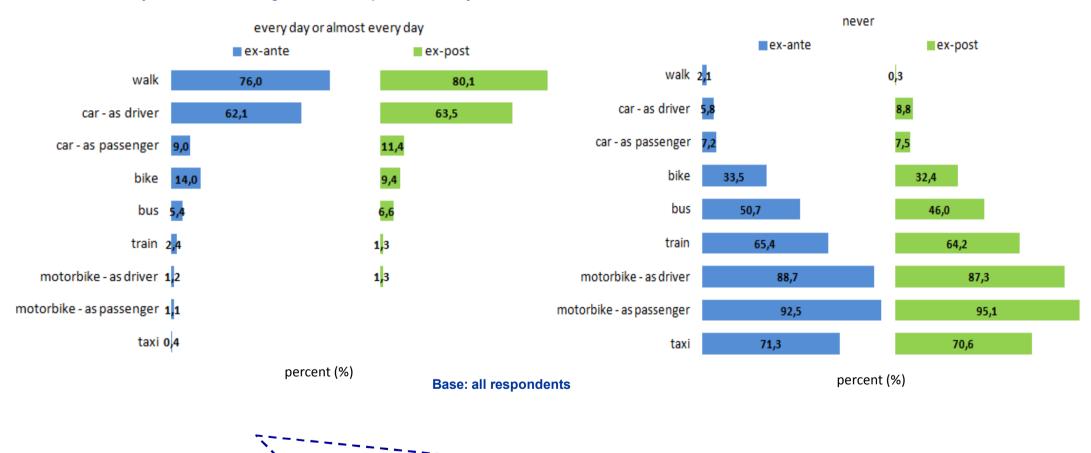




DIFFERENT TRANSPORT MEANS USAGE

Car driving and walking are most common means of transport, motorbike is used the least often.

How often did you use the following forms of transport in the last year?

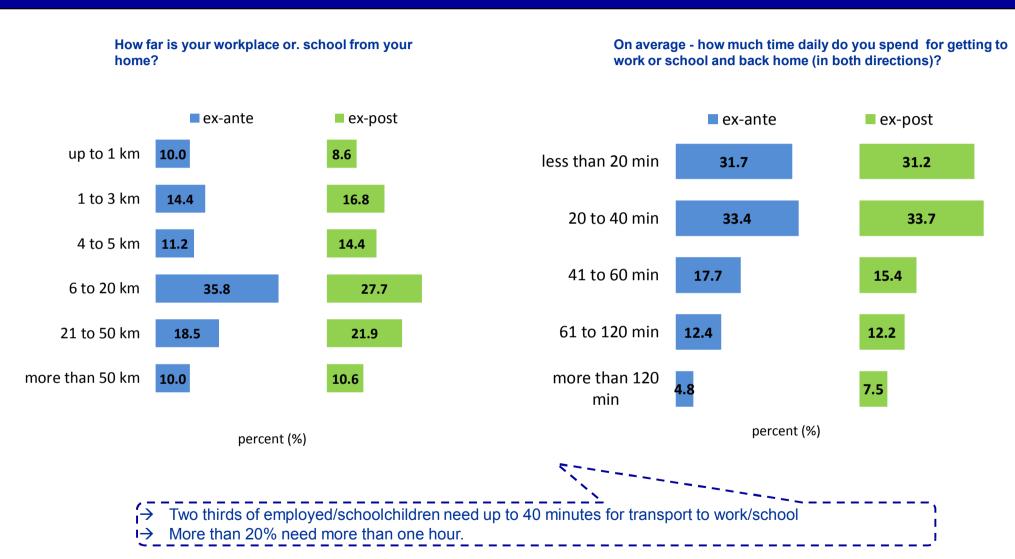






DISTANCE FROM WORK / SCHOOL AND TIME SPENT FOR ARRIVAL

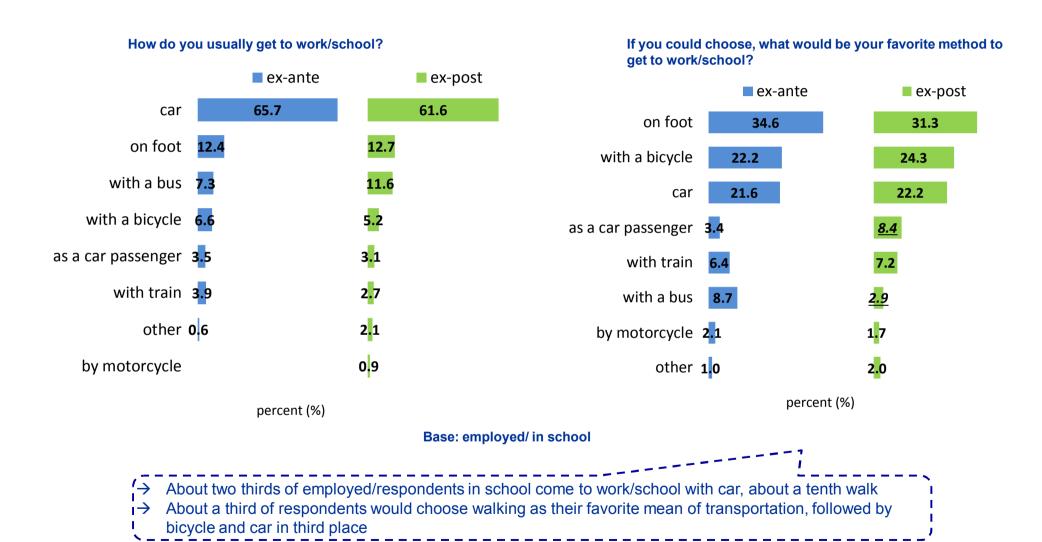
Two thirds of respondents need up to 40 minutes for transport to work/school





NORMAL AND DESIRED WAY OF TRANSPORTATION

The largest share of respondents comes to work/school by bus, but would prefer to go on foot

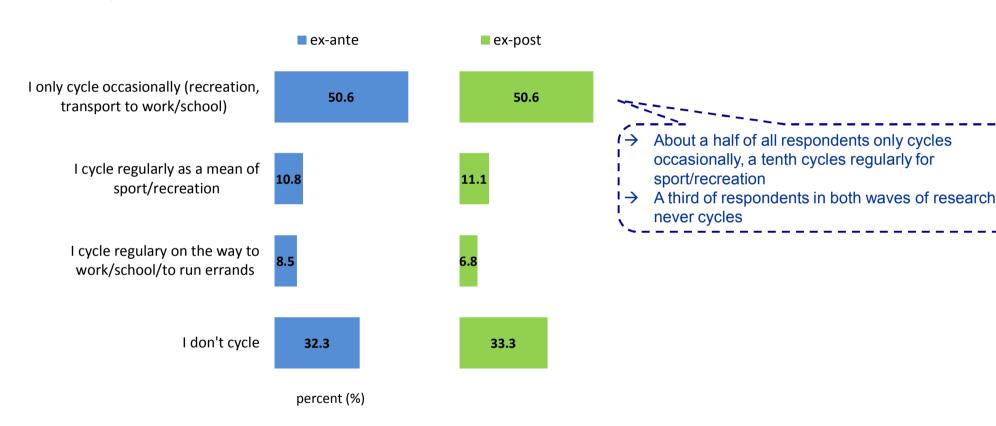




TYPES OF CYCLISTS

About a half of respondents only cycle occasionally, a third never cycle

Which of the following statements best describes you as a cyclist? (several answers possible)



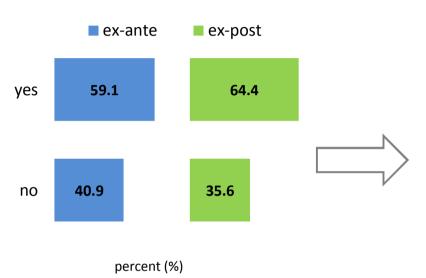
Base: all respondents



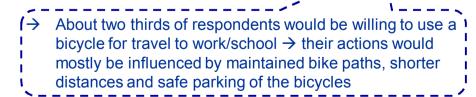
WILLINGNESS FOR MORE FREQUENT CYCLING TO WORK/SCHOOL

Maintenance of bike paths, long distances and bike parking contribute to the willingness

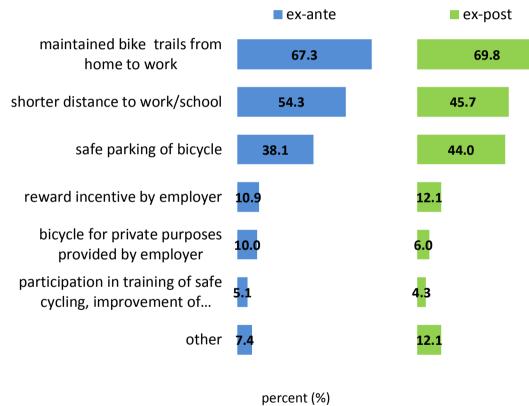




Base: those who don't cycle to work/school



If yes, what conditions would have to be fulfilled in order for you to come to work/school with bicycle more often? (several answers possible)



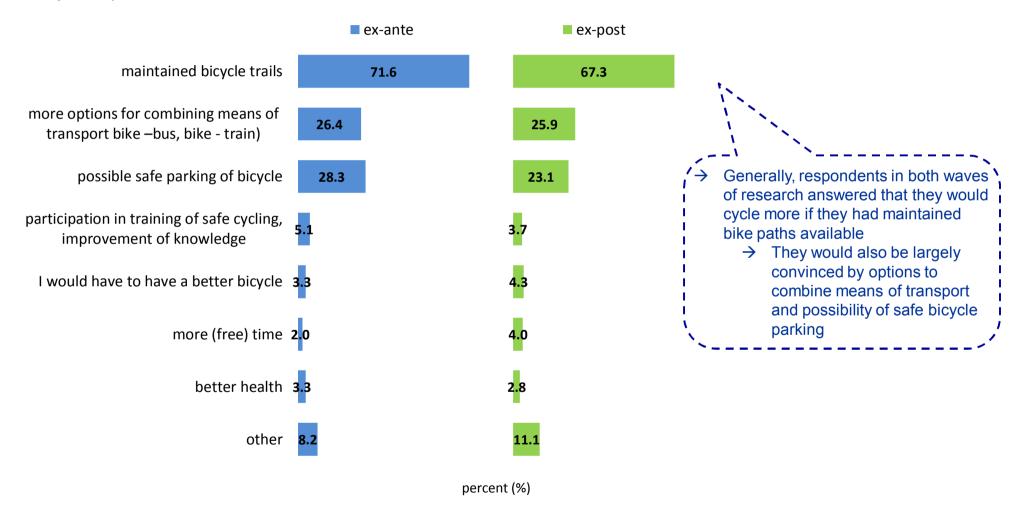
Base: those who don't cycle to work/school and would be willing to use bicycle more often



FULFILLED CONDITIONS FOR MORE REGULAR CYCLING

Respondents miss well maintained bike paths the most

Which conditions would have to be fulfilled in order for you to cycle more in general? (several answers possible)





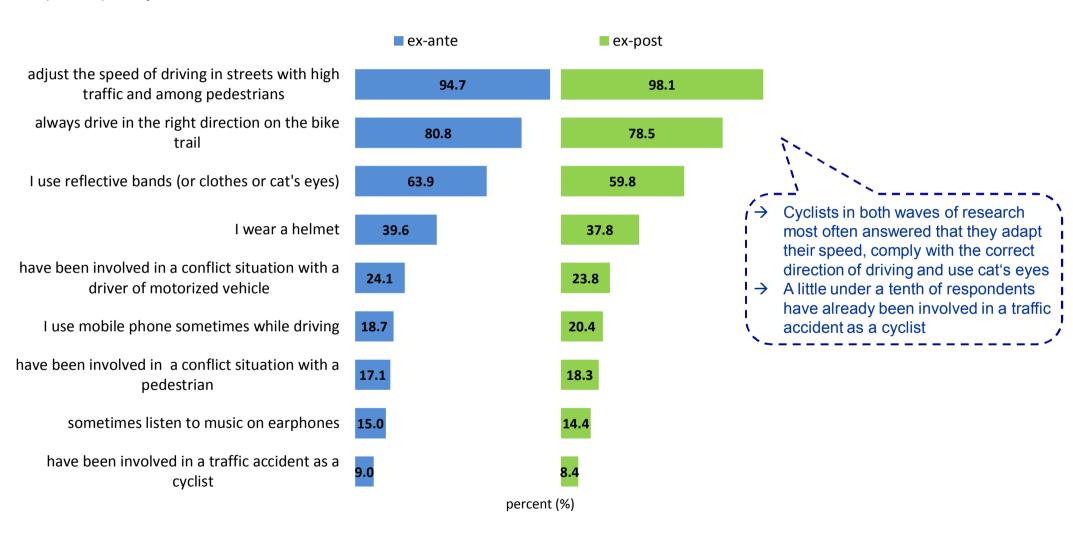


1.2 WEB RESEARCH CYCLISTS IN TRAFFIC

CYCLIST BEHAVIOUR

Cyclists most often adapt the speed and comply with the correct direction of driving

(DO YOU) as a cyclist ...?

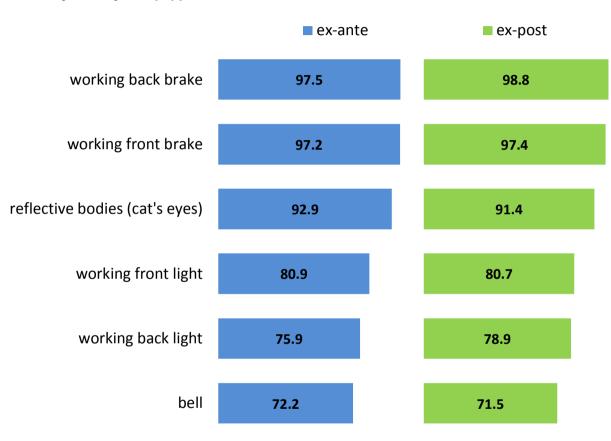




CYCLIST EQUIPMENT

Most cyclists have both working breaks and cat's eyes on their bikes, the fewest have a bell

How is your bicycle equipped?



→ The largest share of cyclists have their bicycle equipped with working front and back brake, the fewest have a working bell

No significant differences between both waves of interviewing

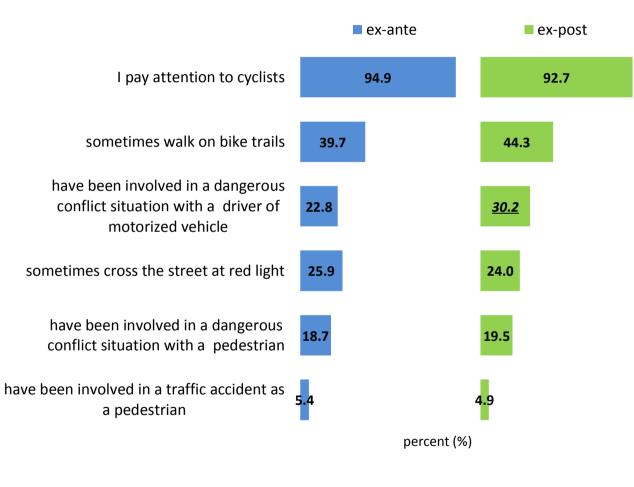
percent (%)



BEHAVIOUR OF PEDESTRIANS IN REGARD TO THE CYCLISTS

Pedestrians are in most cases more observant of the cyclists; almost a half sometimes walk on bike paths

(DO YOU) As a pedestrian...?



→ Pedestrians most often answered that they pay attention to the cyclists; almost a half of them admitted to sometimes walking on bike paths
 → In ex-post wave, almost a third of respondents answered that they were already involved in a dangerous situation with a driver of a motorized vehicle

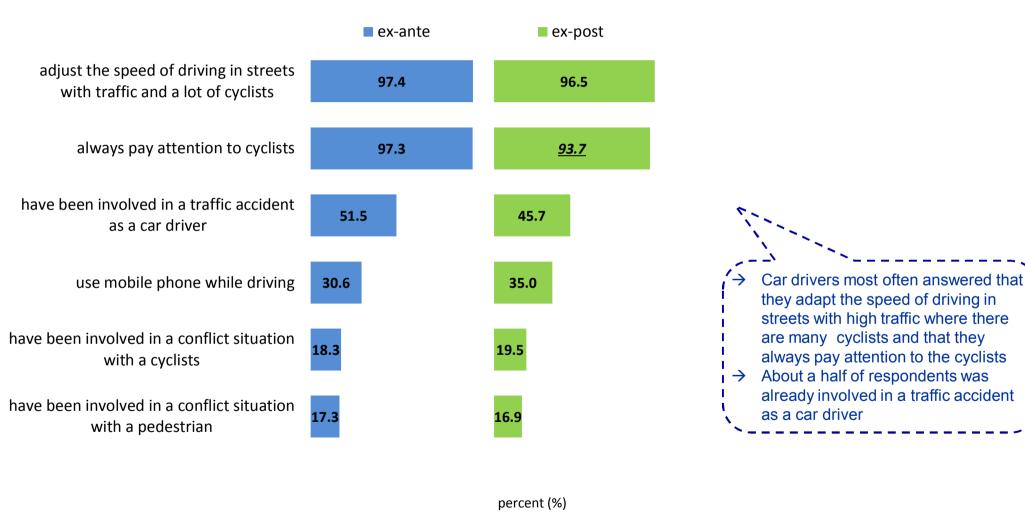
Base: pedestrians



BEHAVIOUR OF CAR DRIVERS IN REGARD TO THE CYCLISTS

Car drivers mostly adapt the speed of driving and pay attention to cyclists

(DO YOU) As a driver?





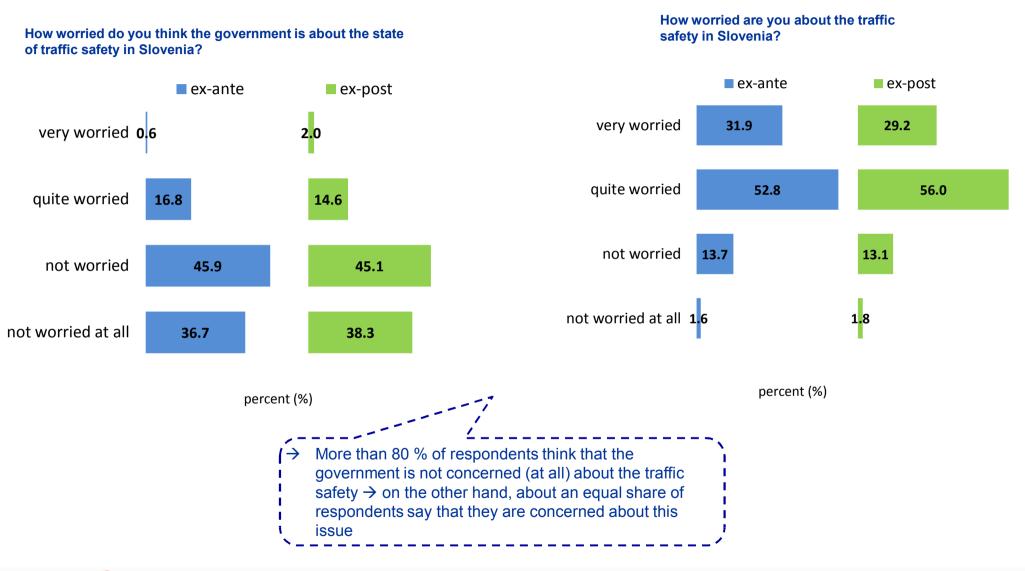
Base: car drivers



1.3 WEB RESEARCH TRAFFIC SAFETY EVALUATION

CONCERN ABOUT THE STATE OF TRAFFIC SAFETY IN SLOVENIA

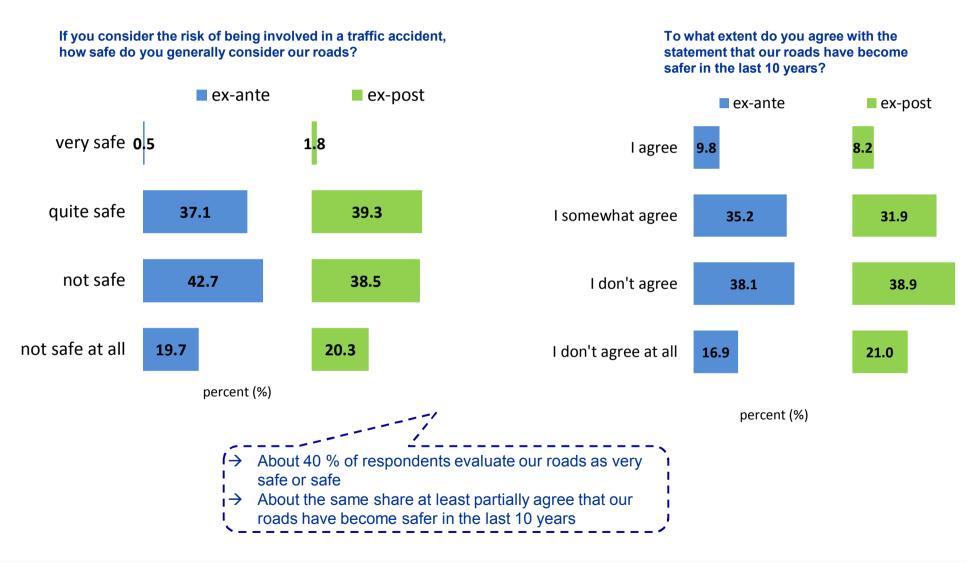
More than 80 % of respondents are worried about traffic safety in Slovenia





ROAD SAFETY

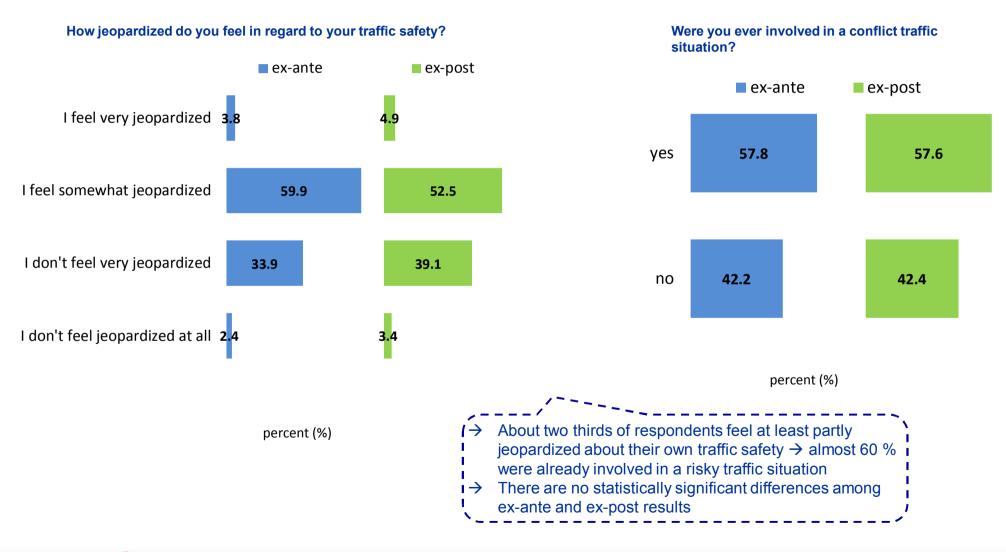
More than 60 % of respondents think are roads are not safe (at all)





FEELING OF JEOPARDY AND INVOLVEMENT IN CONFLICT TRAFFIC SITUATION

More than half of respondents were already involved in a conflict traffic situation

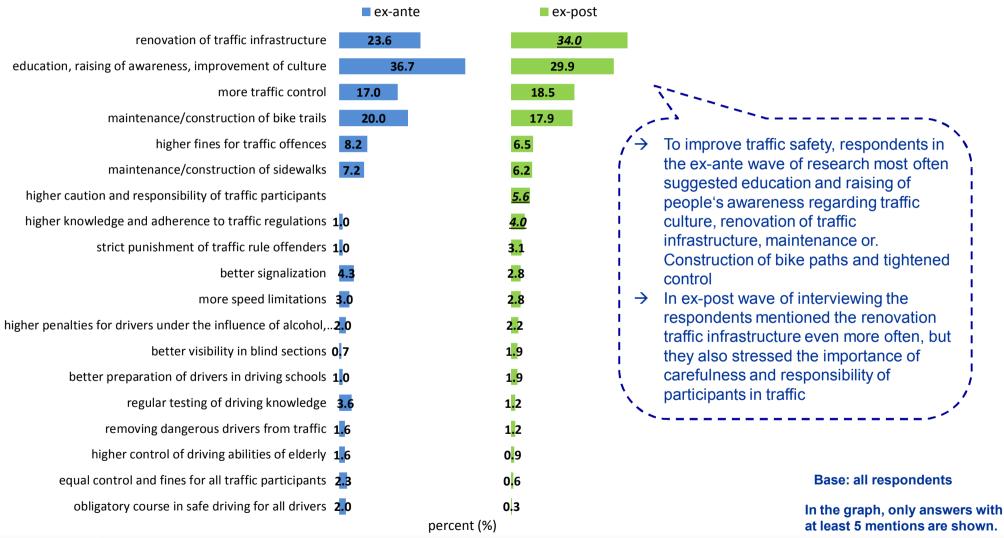




MEASURE FOR IMPROVEMENT OF TRAFFIC SAFETY

Renovation of traffic infrastructure and traffic culture would improve traffic safety

What measures would in your opinion be most effective to improve the traffic safety?







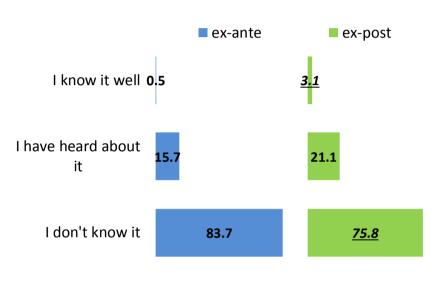


1.4 WEB RESEARCH BICYCLE COUNTER AND "SHARROW"

BICYCLE COUNTER

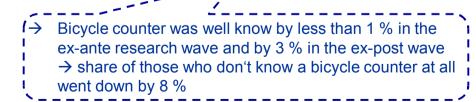
About a fifth of respondents already heard about bicycle counter

Do you know a "bicycle counter"? It's a board set on a visible place that automatically counts all the cyclists that pass by.

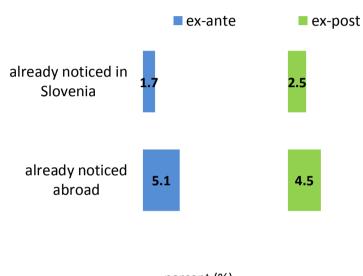


percent (%)

Base: all respondents





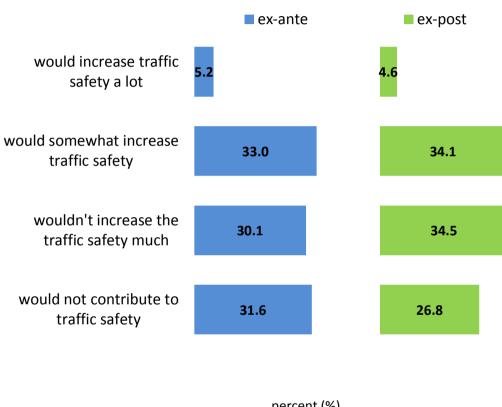


percent (%)

PERCEPTION OF USEFULNESS OF BICYCLE COUNTER FOR SAFETY IMPROVEMENT

About a third ex-ante and fourth ex-post respondents think that the bicycle counter wouldn't improve the safety

Do you think that a bicycle counter would help improve the traffic safety?



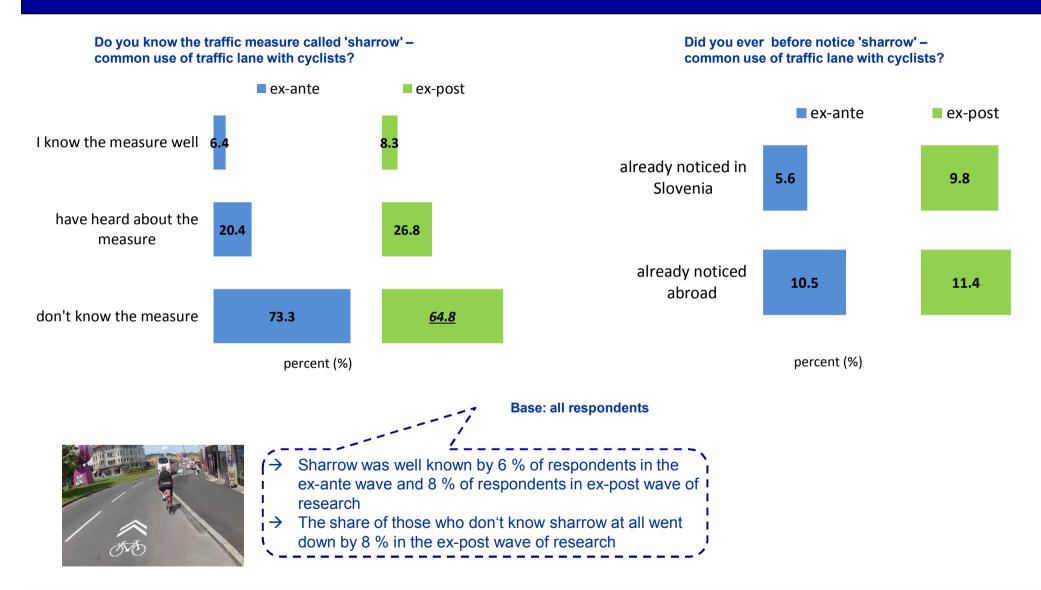
→ About 40 % of respondents think that the bicycle counter would help a lot or at least somewhat to the improvement of traffic safety → differences between waves of interviewing are not statistically significant

percent (%)



"SHARROW"

3/4 of ex-ante and two thirds of ex-post respondents never heard of Sharrow before

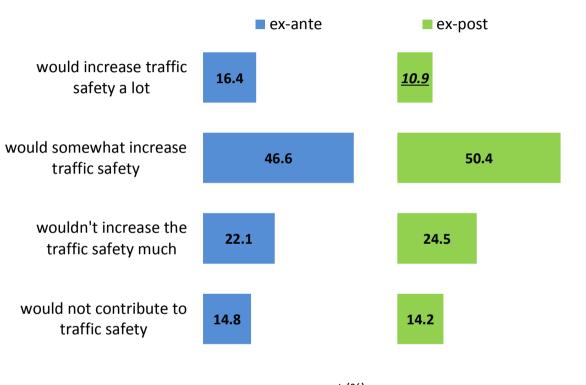




PERCEPTION OF SHARROW USEFULNESS FOR TRAFFIC SAFETY IMPROVEMENT

Sharrow is seen as a positive solution for traffic safety improvement by about 60 % of respondents

Do you think that "Sharrow" (common use of traffic lane with cyclists) would help improve the traffic safety?



About 16 % of respondents in the ex-ante wave evaluated sharrow as being highly contribution to the traffic safety → in the ex-post wave this share is statistically significantly lower at 11 %

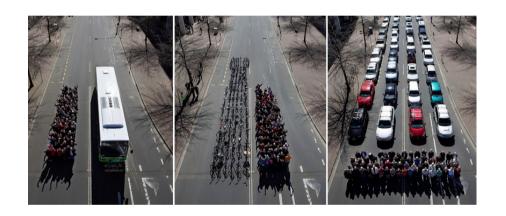
percent (%)

Base: all respondents





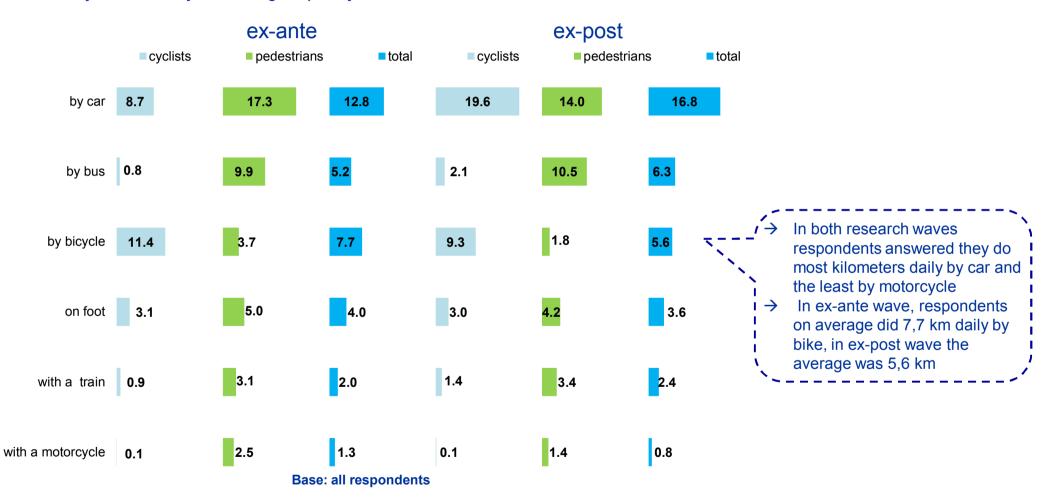
2. FIELD RESEARCHLJUBLJANA



2.1 FIELD RESEARCH - LJUBLJANA TRAFFIC RELATED HABITS

AVERAGE NUMBER OF KM PER DAYDaily, respondents do most kilometers by car

How many kilometers do you on average do per day?





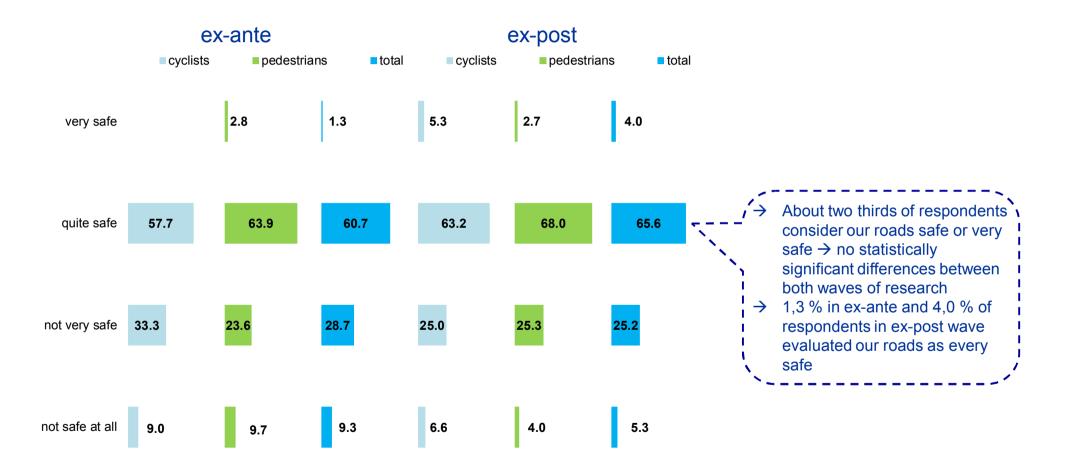


2.2 FIELD RESEARCH - LJUBLJANA TRAFFIC SAFETY EVALUATION IN GENERAL

ROAD SAFETY I.

About two thirds of respondents evaluated our roads as safe or very safe

If you consider the risk of being involved in a traffic accident, how safe do you generally consider our roads?





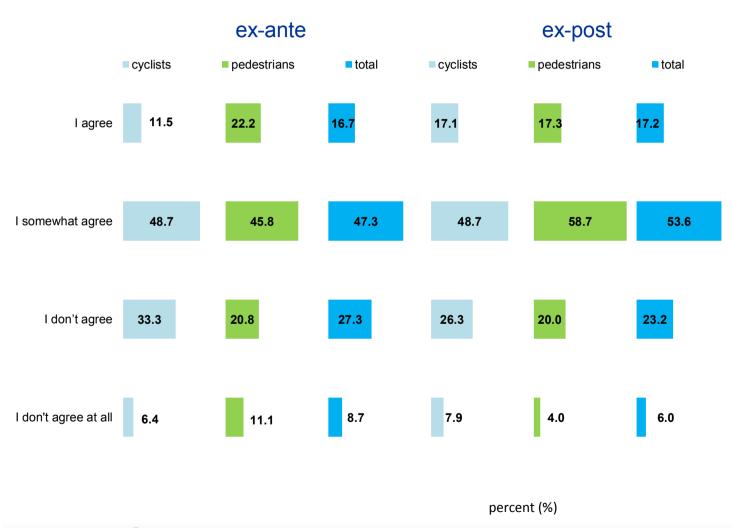
percent (%)

Base: all respondents

ROAD SAFETY II.

About 70 % of respondents in the ex-post wave agree that our roads became safer in the last 10 years

To what extent do you agree with the statement that our roads have become safer in the last 10 years?



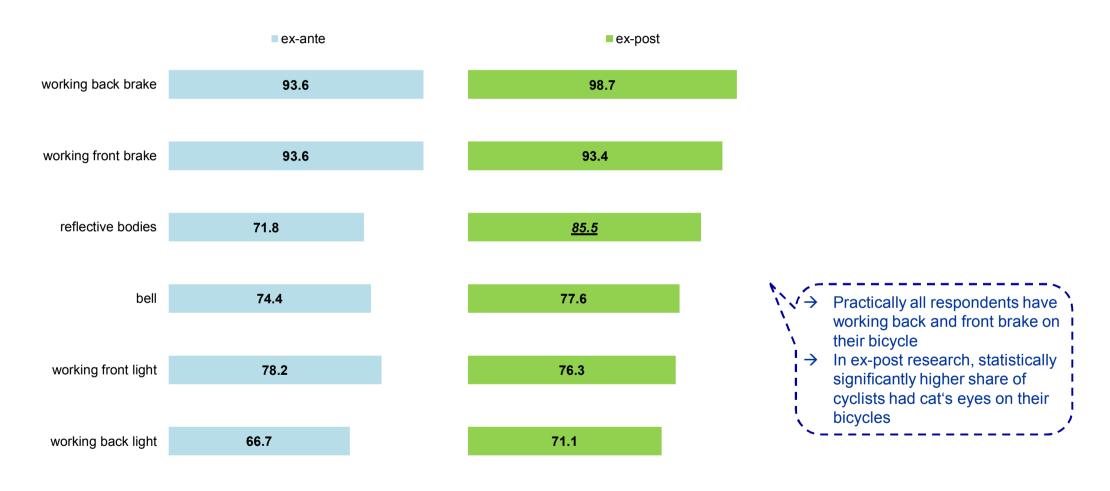
→ About two thirds of respondents in ex-ante research agreed that our roads have become safer in the last 10 years; in ex-post wave, this share increases to 81 %, but the difference is not statistically significant
 → Among those in ex-post wave that agreed our roads have become safer, there is an above average representation of younger respondents (up to 24 years of age)



BICYCLE EQUIPMENT

Most cyclists have a working front and back brake on the bicycle

How is your bicycle equipped?





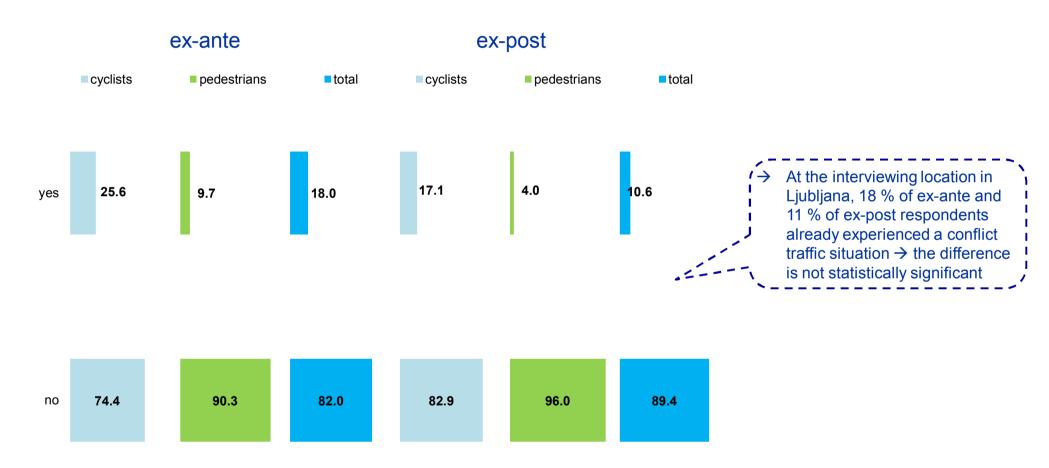


2.3 FIELD RESEARCH - LJUBLJANA SAFETY AT THE SPECIFIC LOCATION

CONFLICT TRAFFIC SITUATIONS

About a fifth of ex-ante and a tenth of ex-post respondents already had a conflict traffic situation at the location in Ljubljana

Did you already have a conflict traffic situation at this location?



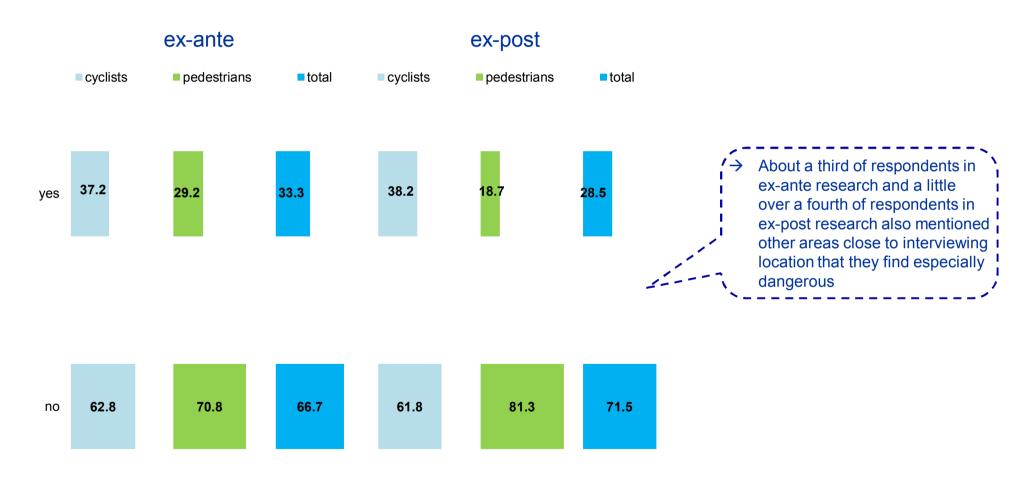
percent (%)



DANGEROUS LOCATIONS I.

About a third of respondents listed other dangerous locations

Do you find any other location close to the current location especially dangerous?



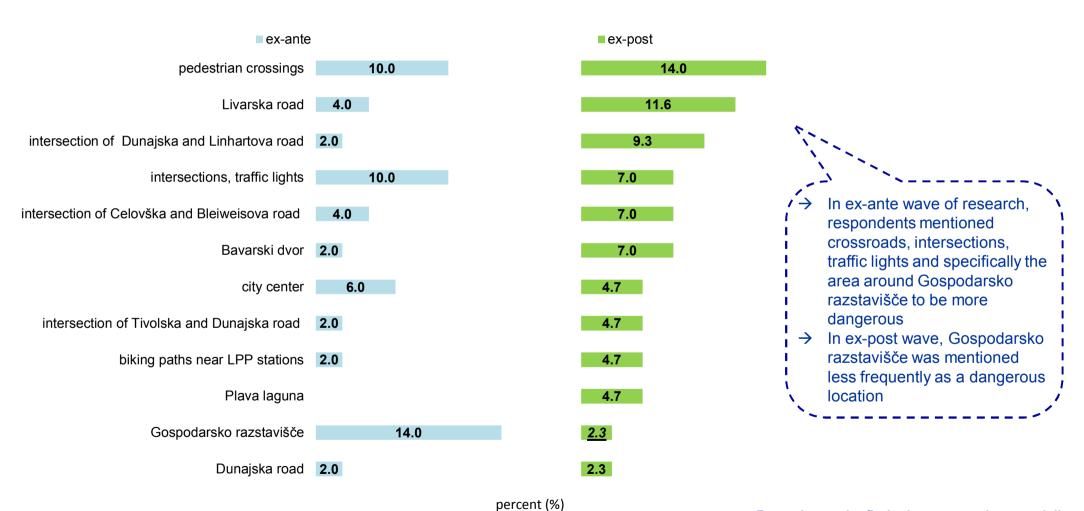
percent (%)



DANGEROUS LOCATIONS II.

V Ljubljana, crosswalks, Livarska street, area around Gospodarsko razstavišče, intersections and traffic lights were mentioned as being especially dangerous

Which areas (do you find especially dangerous)?



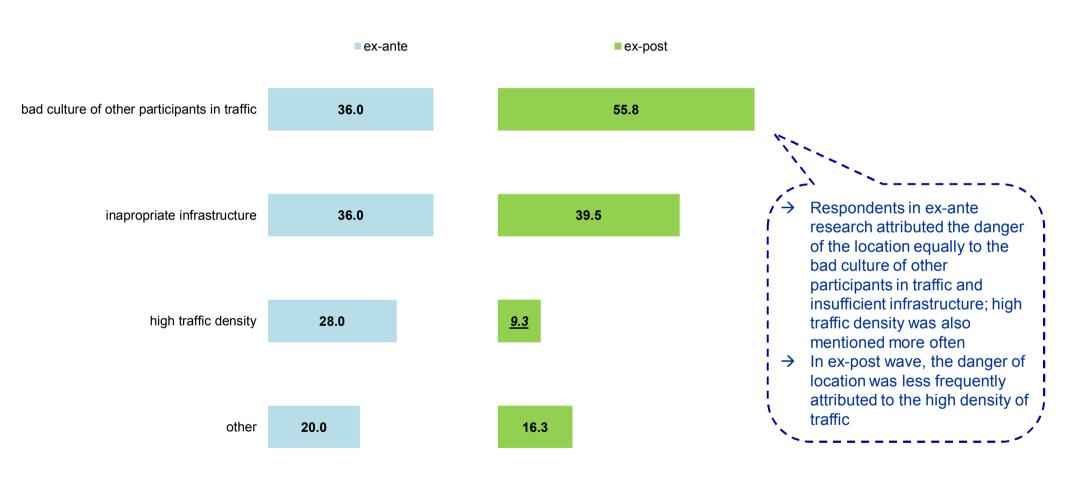


Base: those who find other areas to be especially dangerous

DANGEROUS LOCATIONS III.

Respondents find these areas especially dangerous because of bad culture of traffic participants, and also because of insufficient infrastructure

Why?





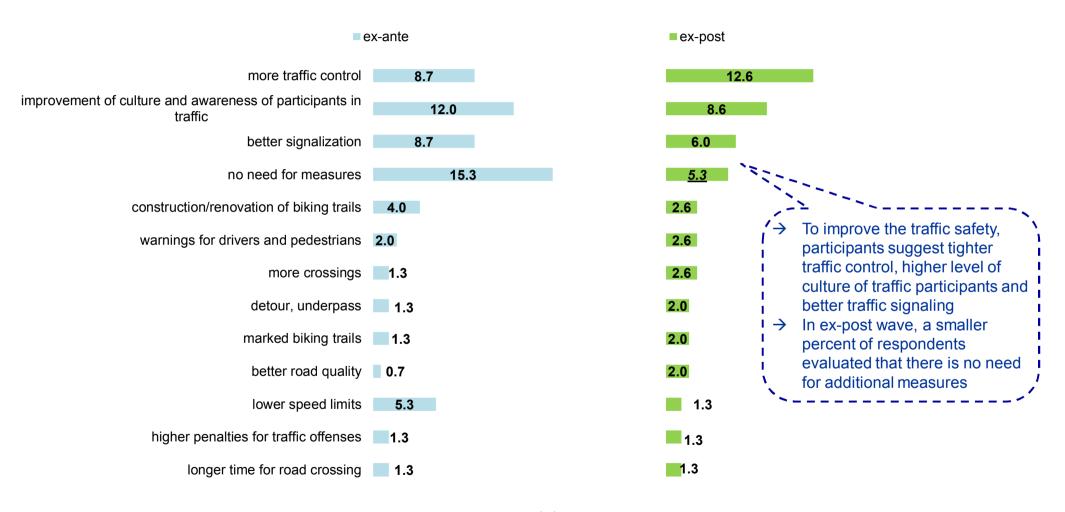
Base: those who find other areas to be especially dangerous



POSSIBLE MEASURES FOR TRAFFIC SAFETY IMPROVEMENT

To improve the traffic safety respondents suggest tighter traffic control and improvement in the culture of traffic participants

What measure would in your opinion help improve the traffic safety the most in this location?



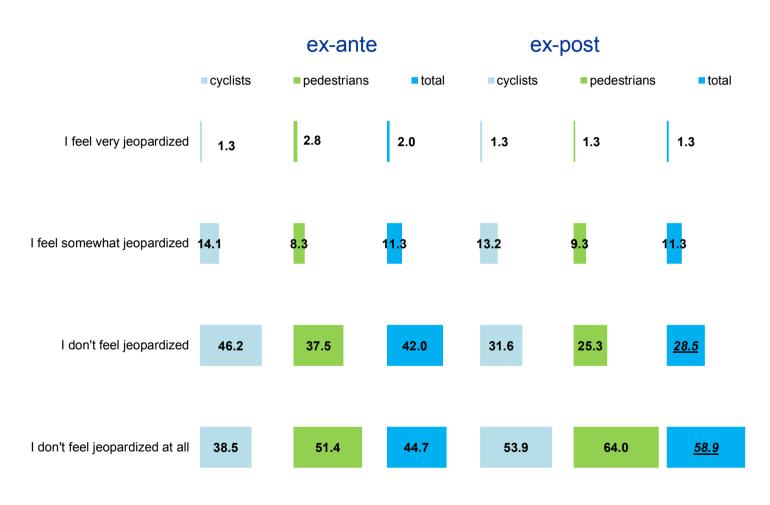




PERCEPTION OF JEOPARDY IN LOCATION

About 15 % of respondents feel jeopardized at the interviewing location

To what extent do you feel your traffic safety is jeopardized at this location?



- About 87 % of respondents in ex-ante wave of research evaluated that they don't feel jeopardized at all
- → This share didn't increase in a statistically significant manner in ex-post wave, but the ratio changed → 59 % of respondents don't feel jeopardized at all (ex-ante: 48 %)
- → Among those that don't feel jeopardized at all, the group of younger respondents (up to 24 years) is overrepresented in the sample

percent (%)

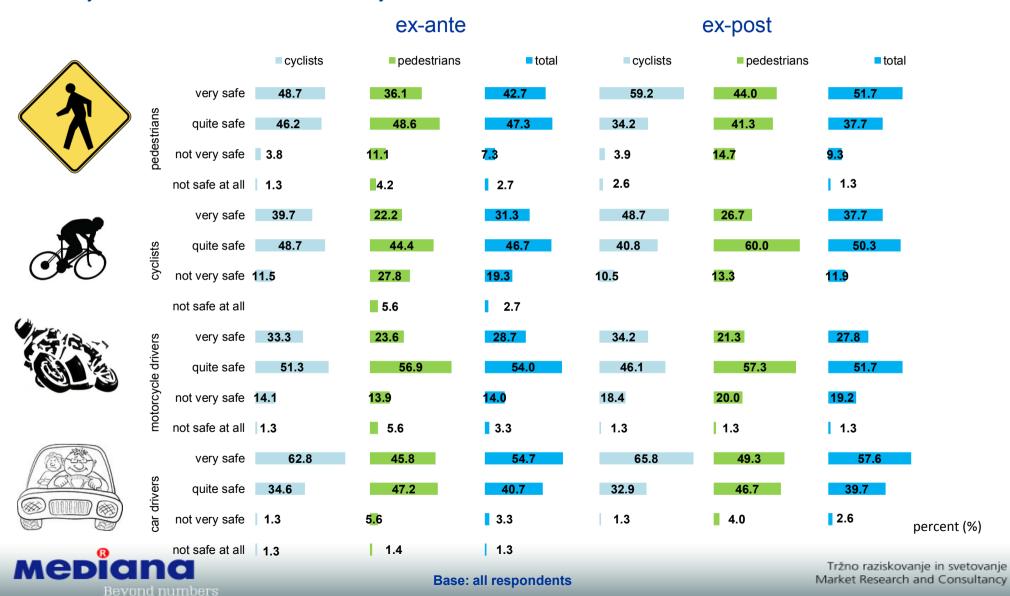


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PERCEPTION OF SAFETY FOR INDIVUAL PARTICIPANTS IN TRAFFIC

Respondents find the traffic safety the highest for car drivers, followed by pedestrians

How safe do you find this traffic location where we currently stand for...?



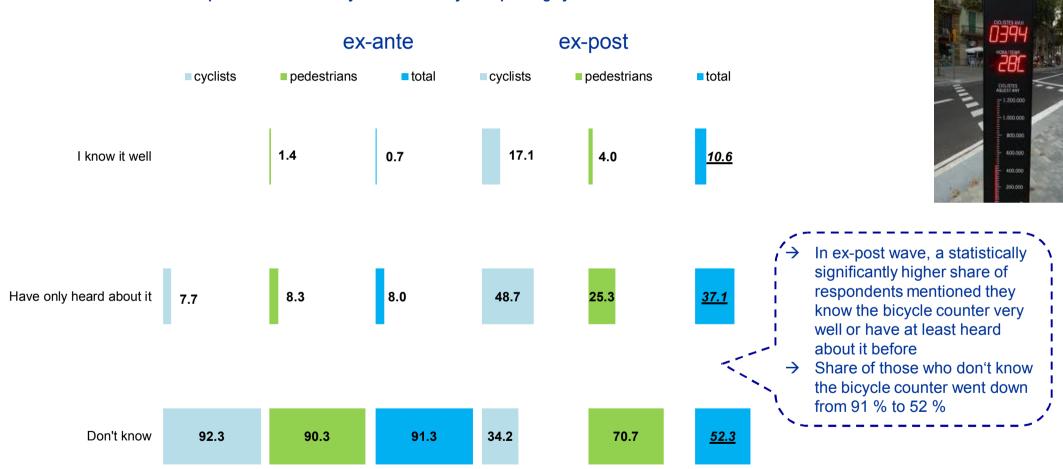


2.4 FIELD RESEARCH - LJUBLJANA BICYCLE COUNTER

AWARENESS OF BICYCLE COUNTER

Less than 10 % of respondents already heard of bicycle counter in ex-ante research \rightarrow this share amounts to almost 50 % in ex-post research

Do you know the bicycle counter, as it is pictured in the photo above? It is a board set in a visible space that automatically counts all the cyclists passing by.



Base: all respondents

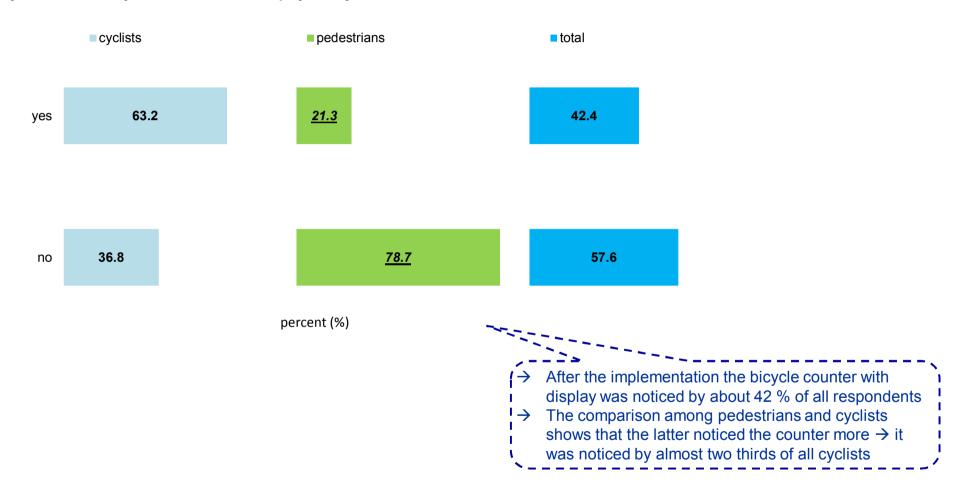
percent (%)



NOTICEABILITY OF BICYCLE COUNTER- EX POST I.

The bicycle counter was noticed by almost two thirds of cyclists after its implementation

Did you notice the bicycle counter with the display nearby?

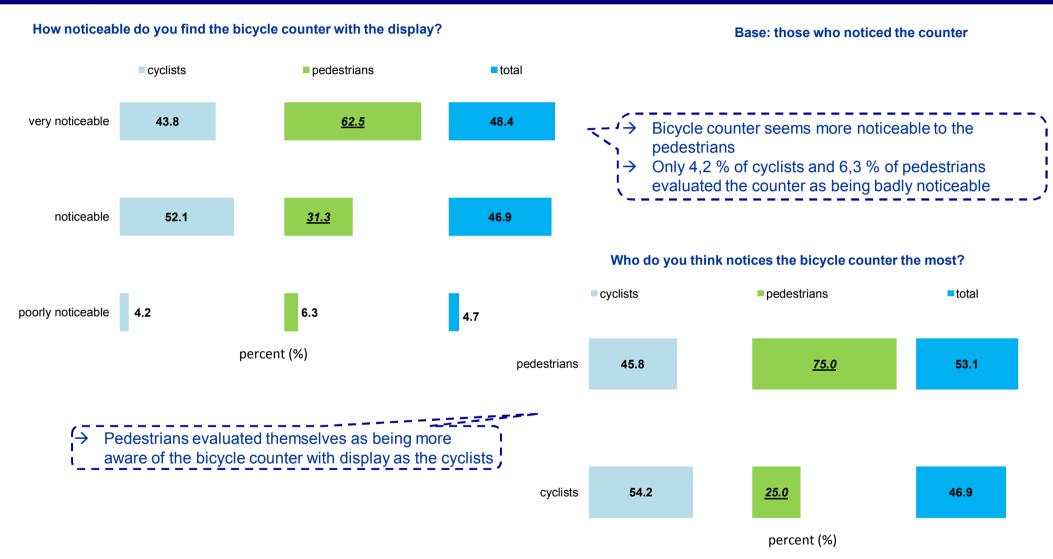






NOTICEABILITY OF BICYCLE COUNTER - EX POST II.

The bicycle counter seems noticeable to almost all respondents and they think that it's noticed the most by pedestrians



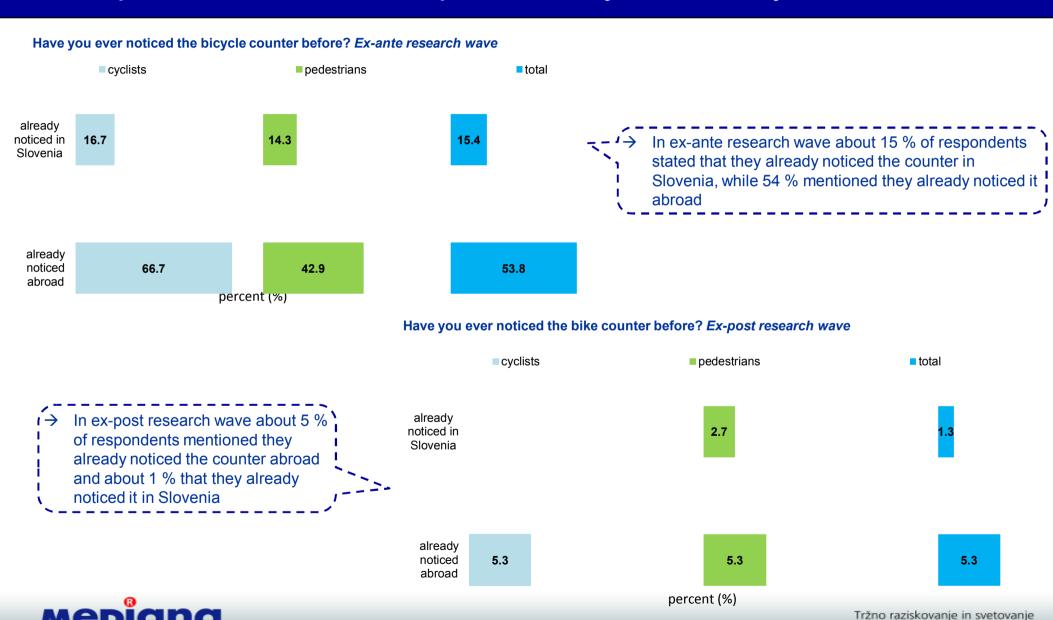


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NOTICEABILITY OF BICYCLE COUNTER

Beyond numbers

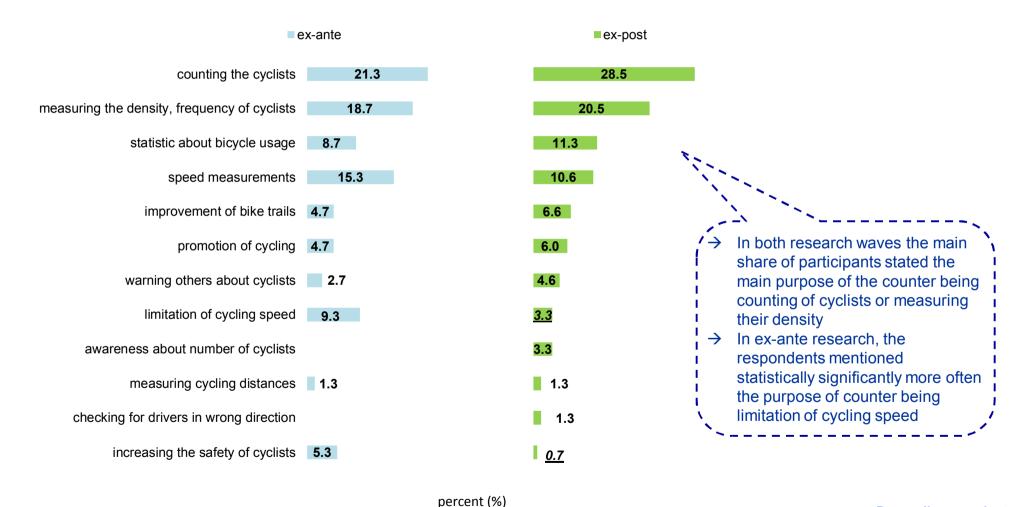
Before implementation, about 20 % of respondents already noticed the bicycle counter in Slovenia



PURPOSE OF BICYCLE COUNTER I.

The main purpose of bicycle counter is counting the cyclists or measuring the density of cyclists

Ex-ante: In your opinion, what would be the purpose of the mentioned counter? Ex-post: In your opinion, what is the purpose of the mentioned counter?



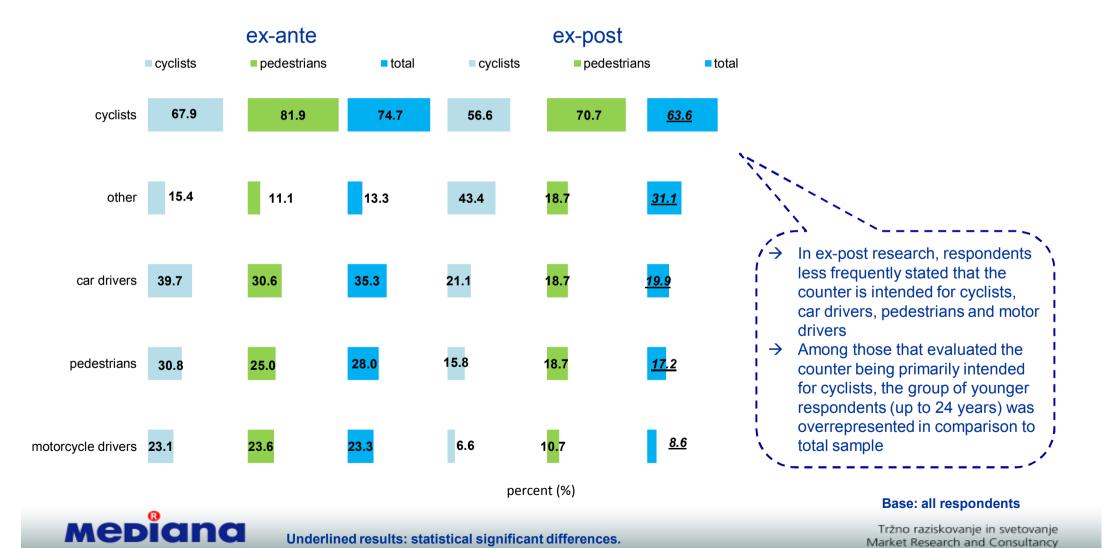


PURPOSE OF BICYCLE COUNTER II.

Beyond numbers

Respondents think that the bicycle counter is primarily intended for cyclists

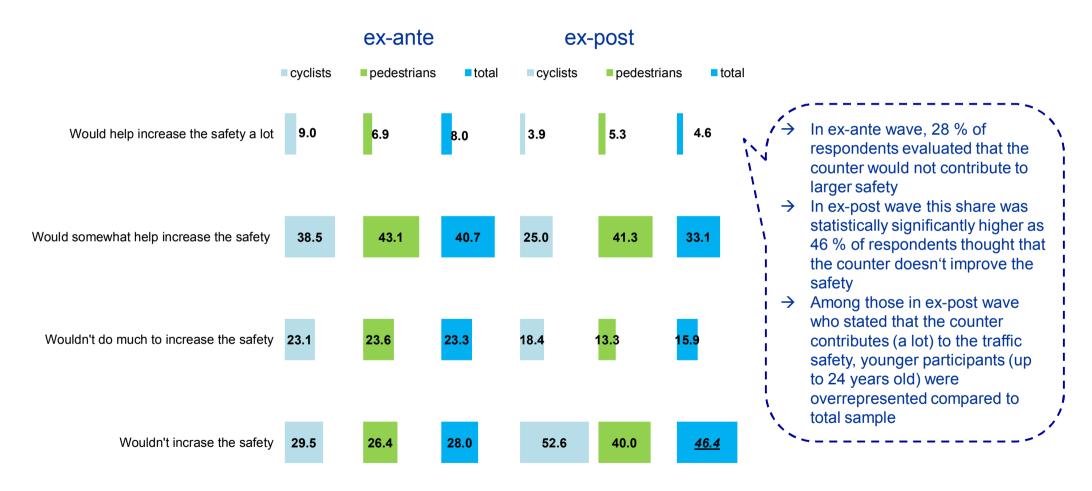
Ex-ante: Who do you think that the bicycle counter would be primarily intended for? Ex-post: Who do you think that the bicycle counter is primarily intended for?



BICYCLE COUNTER AND IMPROVEMENT OF TRAFFIC SAFETY

About a half of ex-ante respondents and 40 % of ex-post respondents think that the bicycle counter contributes to the improvement of traffic safety at the location

Ex-ante: Do you think that a bicycle counter would contribute to improvement of traffic safety at this location? Ex-post: Do you think that a bicycle counter contributes to improvement of traffic safety at this location?



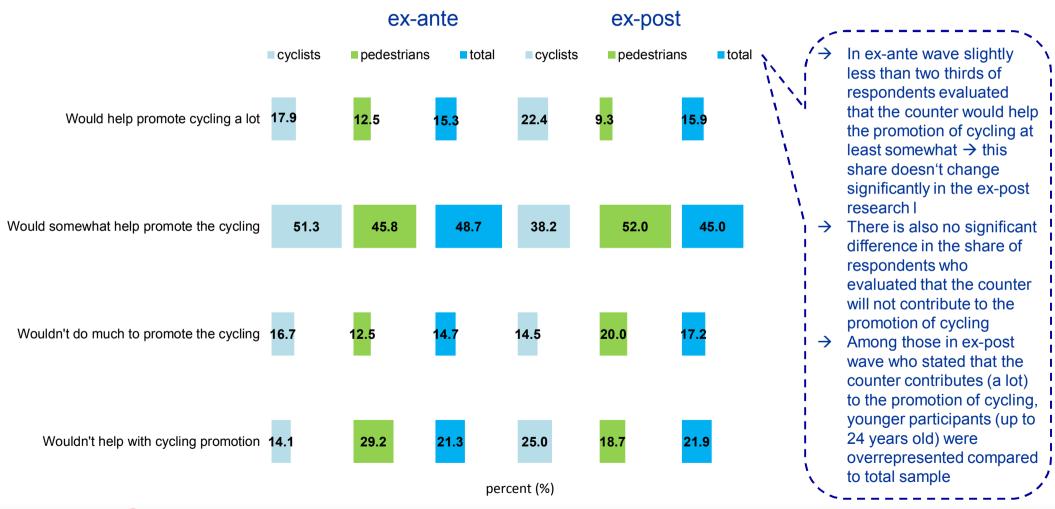
percent (%)



BICYCLE COUNTER AND PROMOTION OF CYCLING IN GENERAL

About 60 % of respondents evaluated that the bicycle counter contributes to promotion of cycling in general

Ex-ante: Do you think that a bicycle counter would contribute to the promotion of cycling in general? Ex-post: Do you think that a bicycle counter contributes to the promotion of cycling in general?

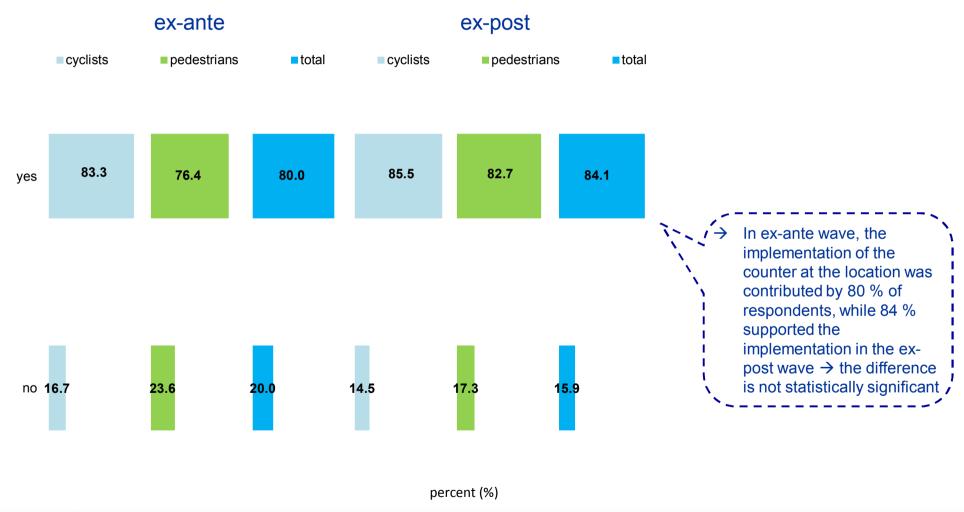




SUPPORT TO IMPLEMENTATION OF BICYCLE COUNTER AT LOCATION

Before its implementation at the location, the bicycle counter was supported by 80 % of respondents \rightarrow after implementation support share was 80 %

Ex-ante: Would you support the implementation of bicycle counter at this location? Ex-post: Do you support the implementation of bicycle counter at this location?

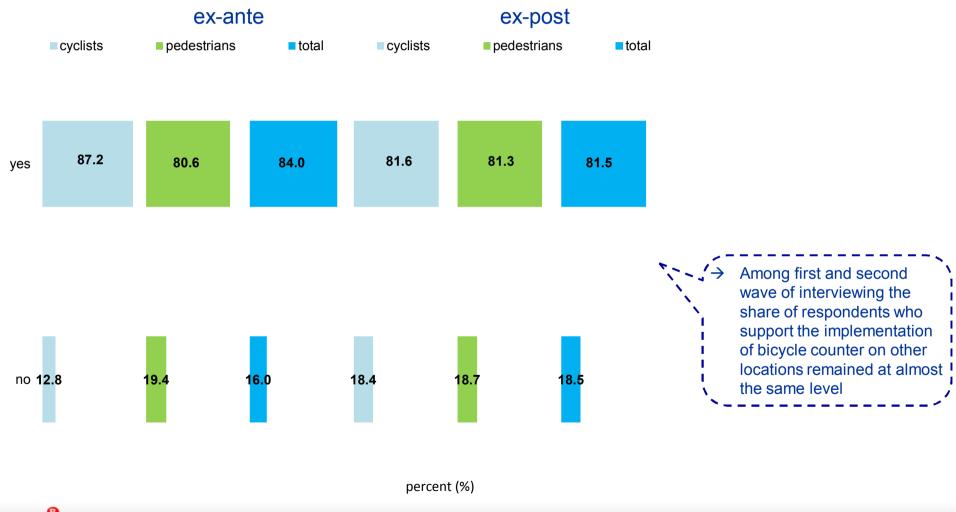




SUPPORT TO IMPLEMENTATION OF BICYCLE COUNTER AT OTHER LOCATIONS

The support for bicycle counter at other location is similar to the support at the location of interviewing

Ex-ante: Would you support the implementation of bicycle counter at other similarly congested or dangerous locations? Ex-post: Do you support the implementation of bicycle counter at other similarly congested or dangerous locations?





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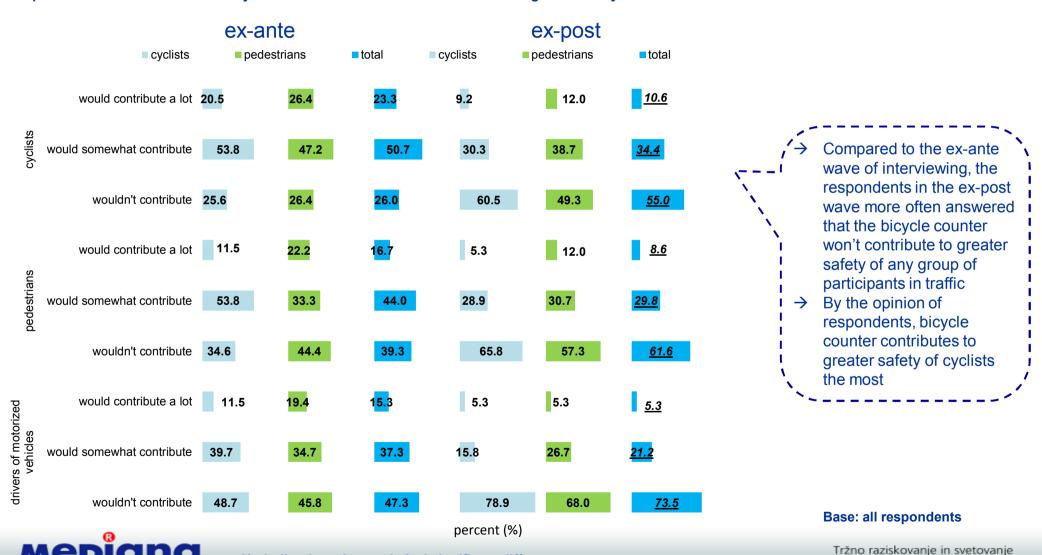
CONTRIBUTION OF BICYCLE COUNTER TO GREATER TRAFFIC SAFETY

Respondents think that the bicycle counter contributes the most to the traffic safety of the cyclists

Ex-ante: To what extent would the implementation of bicycle counter at this location contribute to the greater safety of... Ex-post: To what extent does the bicycle counter at this location contribute to the greater safety of...

Underlined results: statistical significant differences.

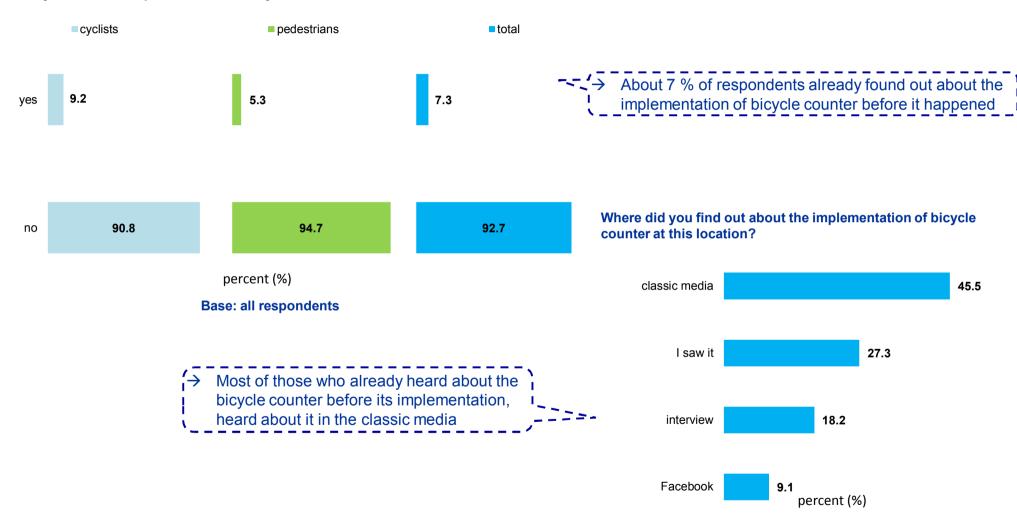
Beyond numbers



AWARENESS OF BICYCLE COUNTER IMPLEMENTATION - EX POST

About a tenth of respondents already knew about the bicycle counter before its implementation

Were you aware of implementation of bicycle counter at this location before?



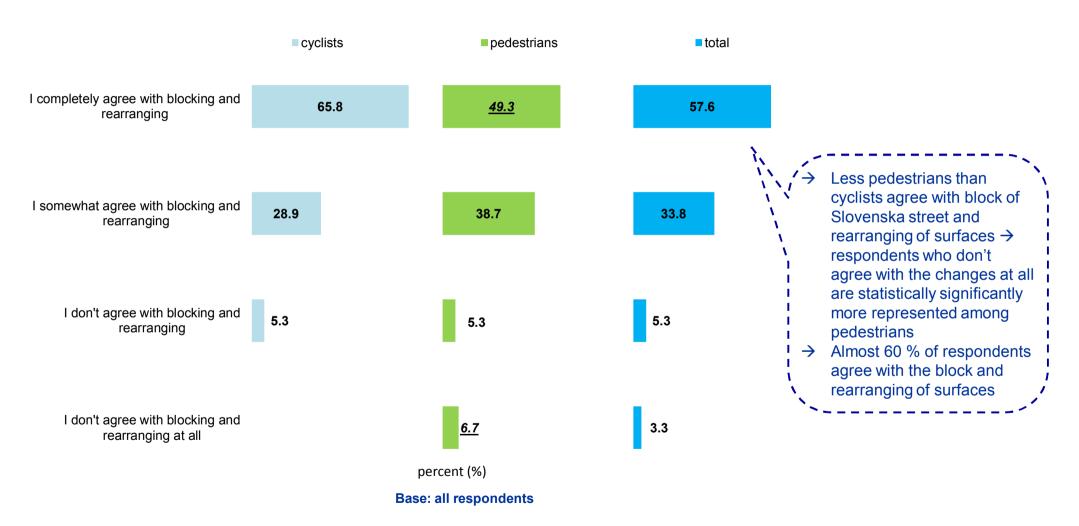


Base: those who knew about counter implementation

AGREEMENT WITH BLOCK OF SLOVENSKA STREET AND REARRANGING OF SURFACES – EX POST

About two thirds of cyclists and half of pedestrians agree with rearranging of Slovenska street

To what extent do you agree with the block of Slovenska street and rearranging of surfaces for cyclists, pedestrians and public transport?

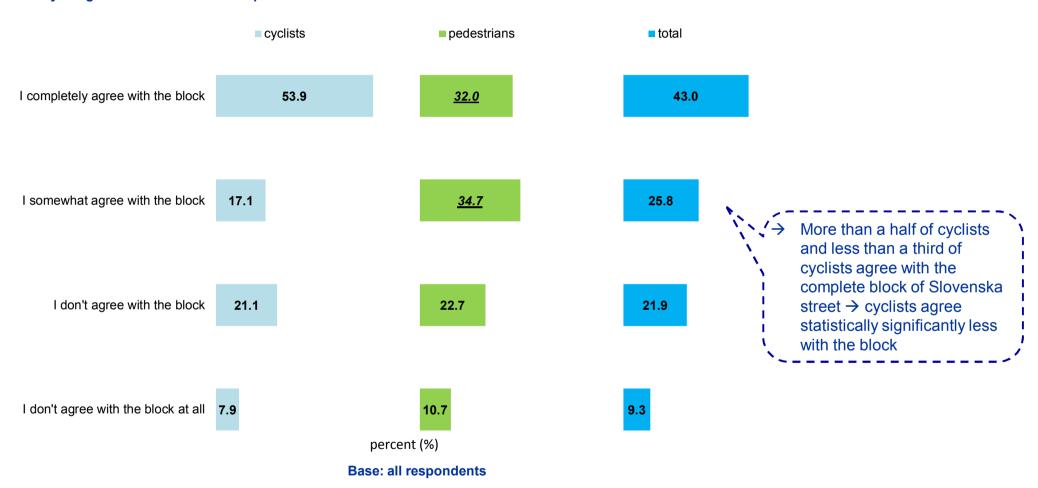




AGREEMENT WITH BLOCK OF SLOVENSKA STREET FOR MOTORIZED TRAFFIC - EXPOST

About a half of cyclists and less than a third of pedestrians agree with complete block

Do you agree with the block of complete Slovenska street for motorized traffic?





AGREEMENT WITH STATEMENTS ABOUT TRAFFIC ORDER OF SLOVENSKA STREET – EX POST

Respondents agree most that the safety of cyclists will improve in this part of Slovenska street

Base: all respondents To what extent do you agree with the following statements? Average grades on a scale from 1 ("completely agree") to 5 ("don't agree at all") cvclists pedestrians total safety of cyclists in this part of Slovenska road will 1.3 <u>1.6</u> 1.5 increase Respondents agreed the safety of pedestrians in this part of Slovenska road 1.5 <u>1.7</u> 1.6 will increase most that in this part of Slovenska street the safety of cyclists and pedestrians will improve rearranging Slovenska road will contribute to larger 1.5 **1.8** 1.6 In comparison to number of cyclists in this area pedestrians, cyclists agree less with all of the statements in a statistically rearranging Slovenska road will contribute to larger significant manner 1.5 1.7 1.6 number of pedestrians in this area → High grades for all the statements quality of life of residents in the city center will 1.5 1.9 1.7 improve because of Slovenska cesta blocking

Average grade





3. FIELD RESEARCHMARIBOR

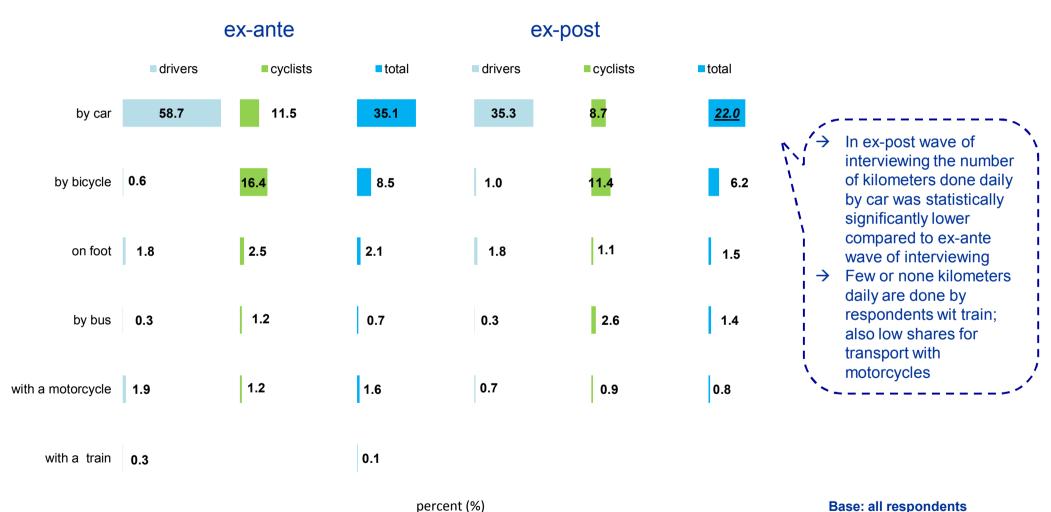


3.1 FIELD RESEARCH - MARIBOR TRAFFIC HABITS

AVERAGA NUMBER OF KILOMETERS PER DAY

Respondents do the most km per day by car

How many kilometers do you make per day with...?





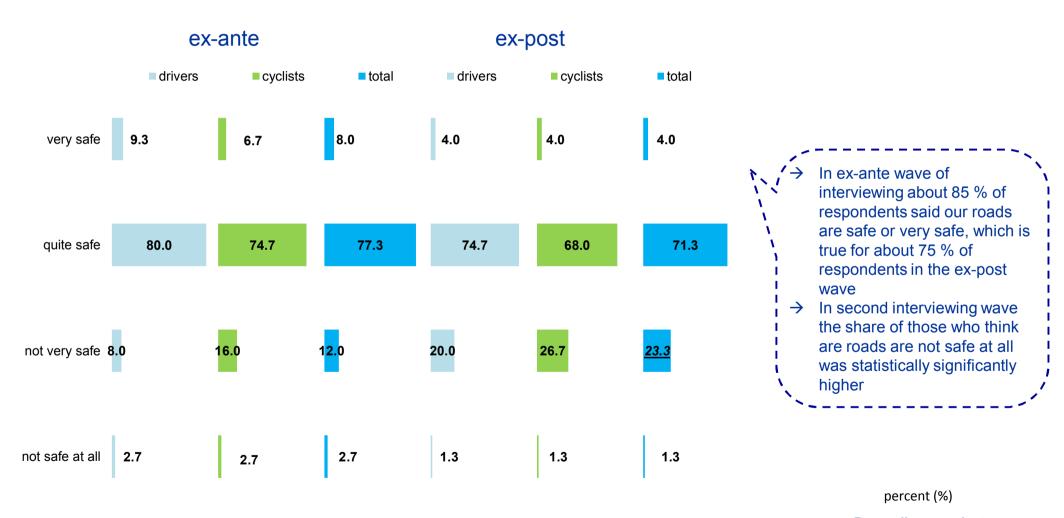


3.2 FIELD RESEARCH - MARIBOR TRAFFIC SAFETY EVALUATION IN GENERAL

ROAD SAFETY I

About 75 % of respondents find our roads safe or very safe

If you consider the risk of being involved in a traffic accident, how safe do you generally consider our roads?

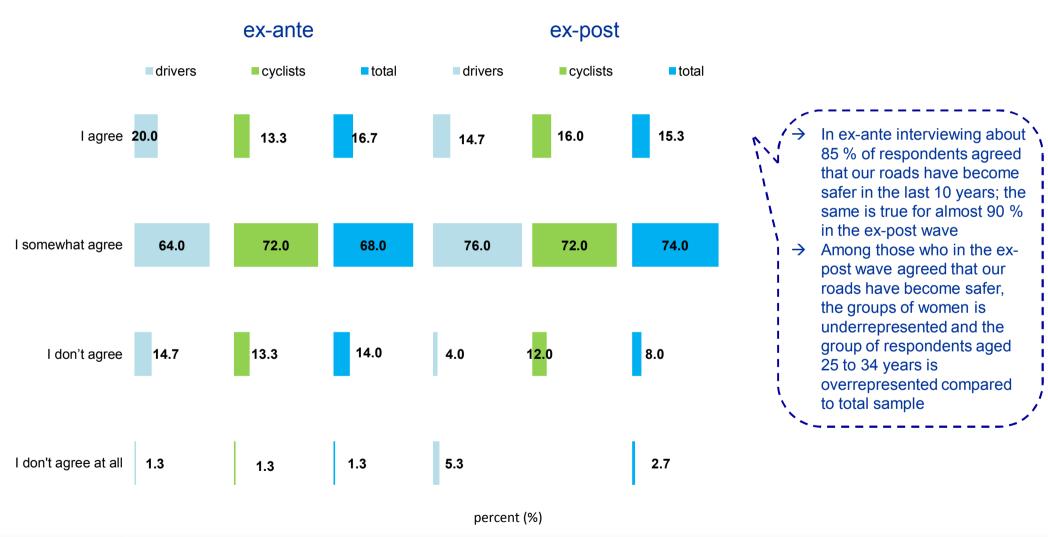


Mediana
Beyond numbers

ROAD SAFETY II.

About 90 % of respondents in ex-post wave agree that our roads became safer in the last 10 years

To what extent do you agree with the statement that our roads have become safer in the last 10 years?

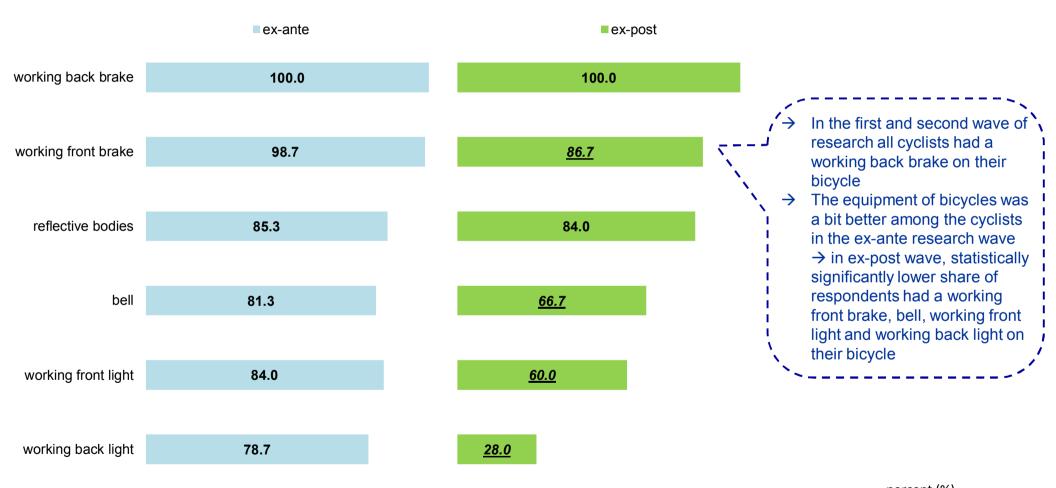




BICYCLE EQUIPMENT

Most cyclists have a working back and front brake on their bicycle

How is your bicycle equipped?





percent (%)

Base: cyclists

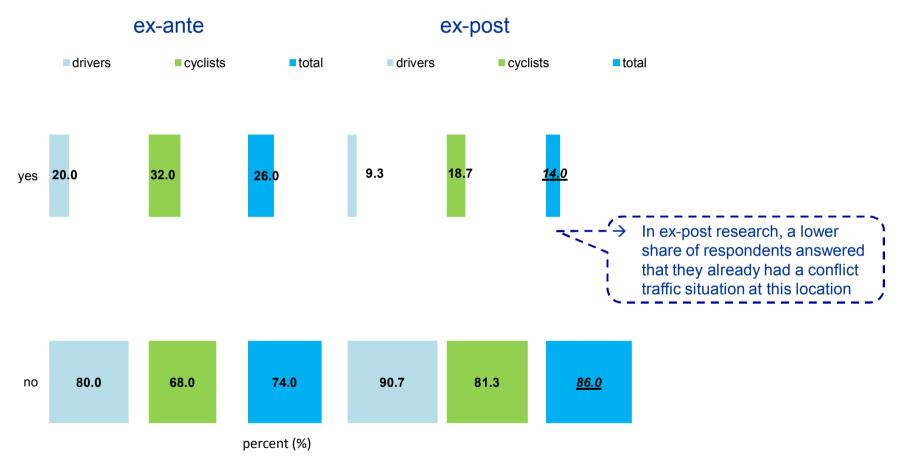


3.3 FIELD RESEARCH - MARIBOR SAFETY AT THE SPECIFIC LOCATION

CONFLICT TRAFFIC SITUATION

At the location in Maribor, 28 % ex-ante and 14 % ex-post respondents already had a conflict traffic situation

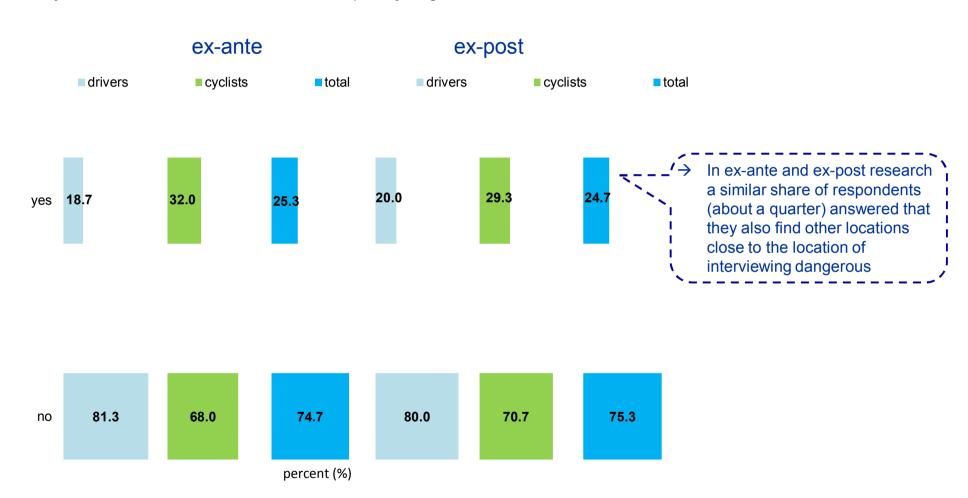
Did you already have a conflict traffic situation at this location?





DANGEROUS LOCATIONS I.

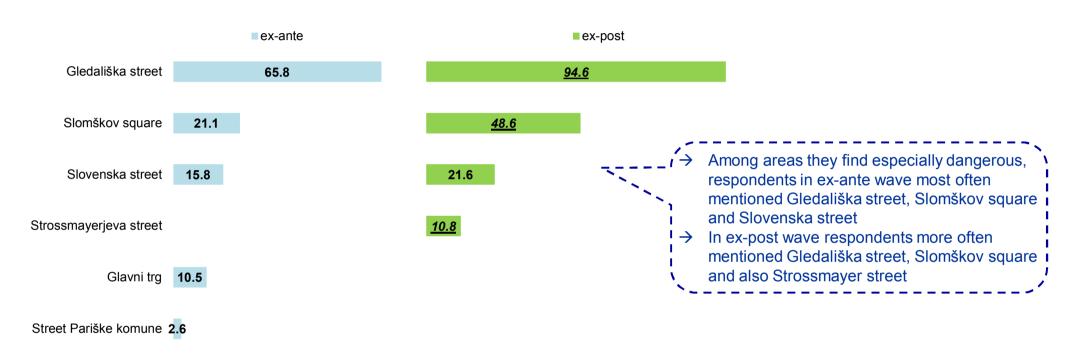
Do you find any other location close to the current location especially dangerous?





DANGEROUS LOCATIONS II.

Which areas (do you find especially dangerous)?



Base: those who find other locations dangerous

percent (%)

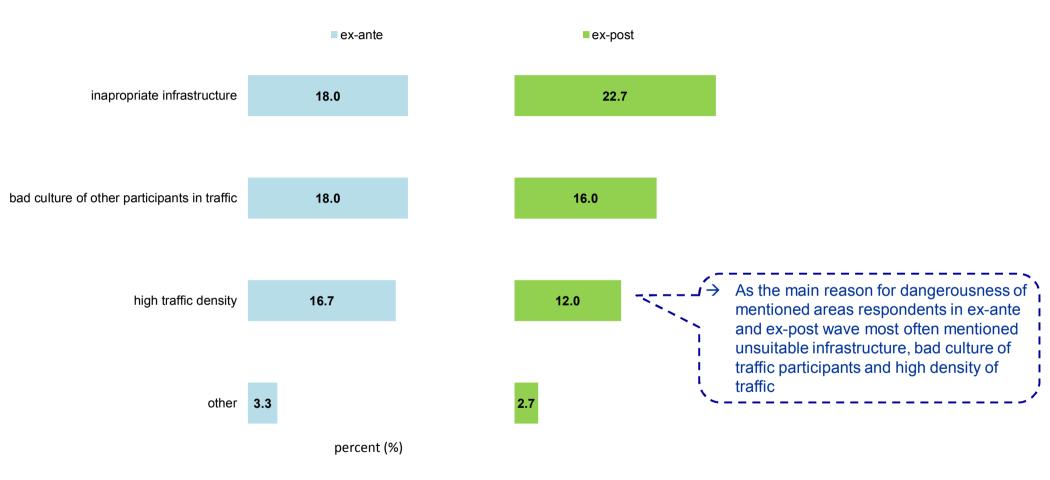


Street Kneza Koclja 2.6

Smetanova street 2.6

DANGEROUS LOCATIONS III.

Why?



Base: those who find other locations dangerous



POSSIBLE MEASURES FOR TRAFFIC SAFETY IMPROVEMENT

For improvement of traffic safety respondents suggest building and renovating of bike paths

What measure would in your opinion help improve the traffic safety the most in this location?

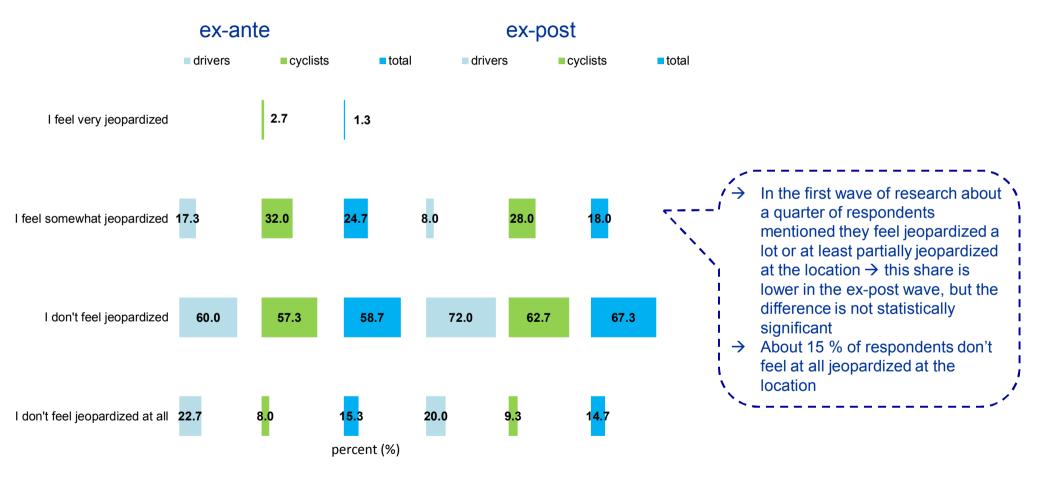




PERCEPTION OF JEOPARDY AT THE LOCATION

At the location of interviewing, 25 % in ex-ante wave and 18 % of respondents in ex-post wave felt jeopardized

To what extent do you feel your traffic safety is jeopardized at this location?





PERCPTION OF SAFETY FOR INDIVIDUAL PARTICIAPANTS IN THE TRAFFIC

How safe do you find this traffic location where we currently stand for...? ex-ante ex-post cyclists drivers total drivers cyclists total very safe 61.3 53.3 70.7 quite safe 36.0 29.3 25.3 44.0 40.0 27.3 The area of 2.7 not very safe | 1.3 2.0 interviewing seems the safest for not safe at all | 1.3 0.7 pedestrians and car 1.3 drivers and less safe very safe 25.3 5.3 8.0 16.7 9.3 for cyclists quite safe 82.7 64.0 65.3 66.0 73.3 In ex-post research wave a smaller share not very safe 5.3 21.3 13.3 17.3 15.3 of respondents said 5.3 not safe at all 2.7 4.0 2.7 9.3 6.0 that the section is very safe for cyclists very safe 26.7 22.7 24.7 8.0 12.0 10.0 and motorist, but a quite safe 58.7 74.7 74.7 74.7 higher share than in ex-ante research said 17.3 not very safe 10.7 13.3 14.0 12.0 10.7 that it's very safe for not safe at all 2.7 5.3 4.0 2.7 1.3 pedestrians and car drivers very safe 36.0 49.3 42.7 61.3 62.7 quite safe 56.0 46.7 51.3 34.7 36.0 not very safe 6.7 4.0 5.3 4.0 2.0 percent (%) not safe at all | 1.3 0.7



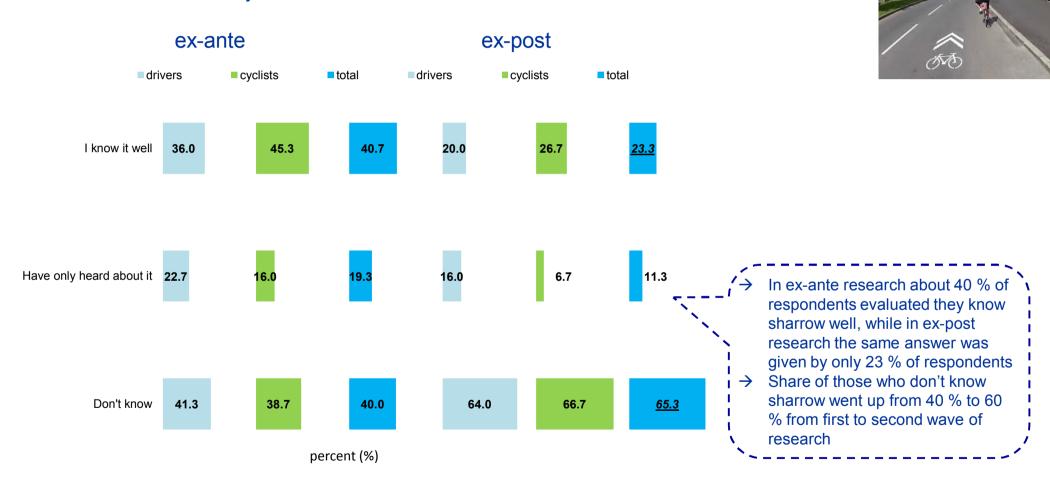


3.4 FIELD RESEARCH - MARIBOR SHARROW

AWARENESS OF SHARROW

58 % of ex-ante and 34 % of ex post respondents already heard about Sharrow

Do you know the traffic measure called "sharrow" – common use of traffic lane with the cyclist (in the picture)? Sharrow is a part of traffic lane that is marked with special floor markings so it notifies drivers of motorized vehicles of the common use of traffic line with the cyclists.

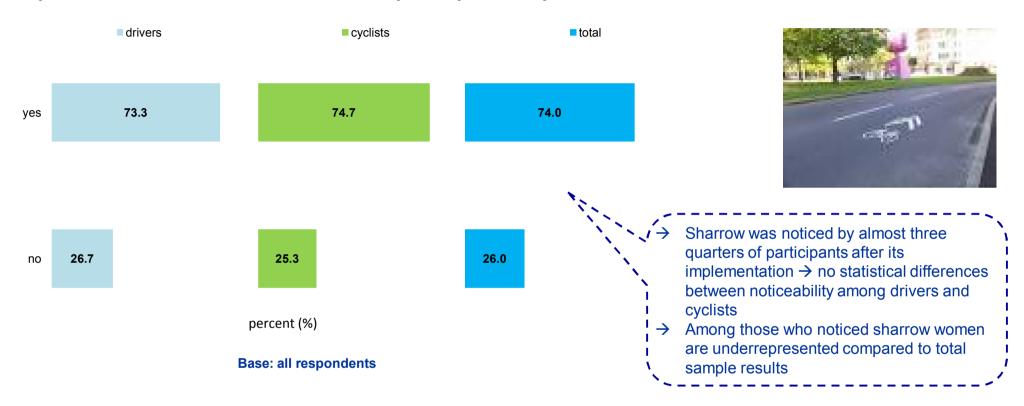




NOTICEABILITY OF SHARROW – EX POST I.

After implementation, sharrow was noticed by almost three quarters of respondents

Did you notice sharrow - common use of traffic lane with a cyclists anywhere nearby?

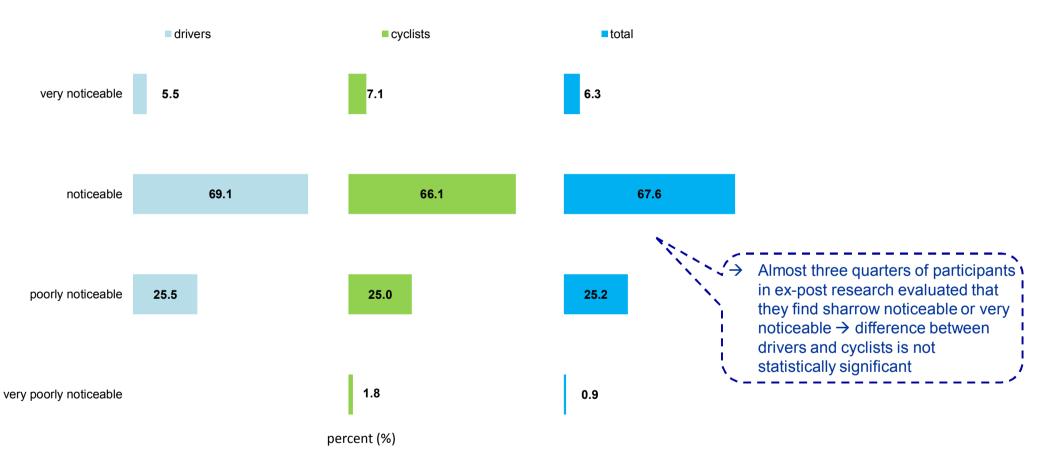




NOTICEABILITY OF SHARROW – EX POST II.

Three quarters of respondents find sharrow noticeable or very noticeable

How noticeable do you find sharrow?



Base: those who noticed sharrow



NOTICEABILITY OF SHARROW – EX POST III.

Generally respondents feel that sharrow is noticed more by cyclists as it is by car drivers

Who do you believe notices sharrow - common use of traffic lane with cyclists - more?



percent (%)

Base: those who noticed sharrow



NOTICEABILITY OF SHARROW IN THE PAST

Have you ever noticed sharrow before? Ex-ante research cvclists drivers total In ex-ante research wave 87 % of already noticed 81.8 91.3 86.7 in Slovenia respondents answered they already saw sharrow in Slovenia and 52 % they noticed it abroad → difference between car drivers and cyclists is not statistically significant already noticed 50.0 54.3 52.2 abroad percent (%) Have you ever noticed sharrow before? Ex-post research cyclists drivers total In ex-post wave 31 % of already noticed 36.0 26.7 31.3 respondents answered they in Slovenia already noticed sharrow in Slovenia and 10 % they already noticed it abroad → difference between car drivers and cyclists is not statistically significant already noticed 10.7 9.3 10.0 abroad

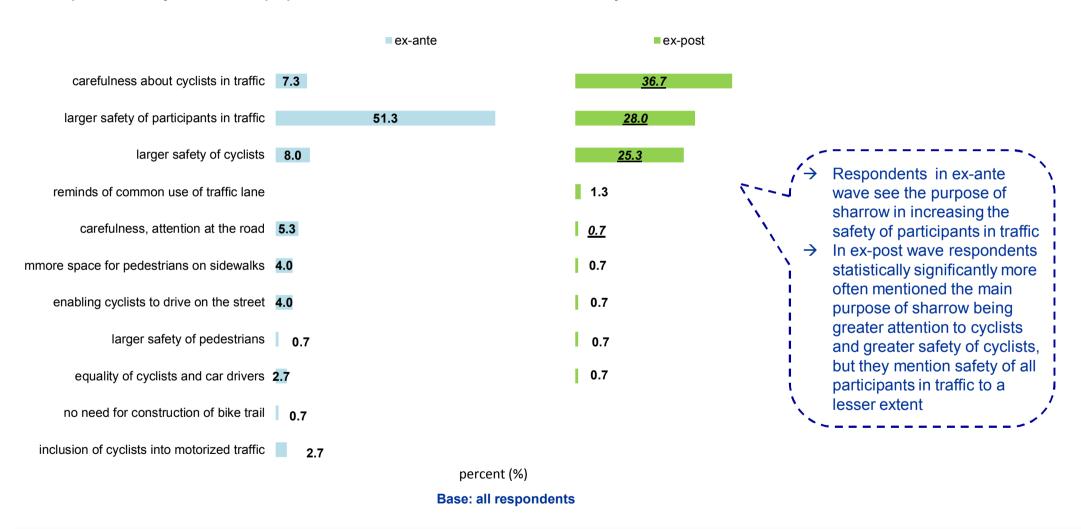


percent (%)

PURPOSE OF SHARROW I.

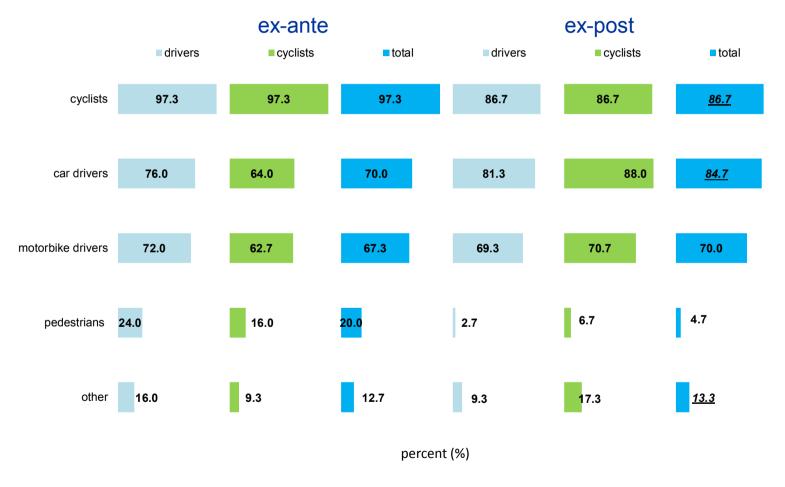
According to respondents, the main purpose of sharrow is greater safety (of cyclists) and larger attention to the group

Ex-ante: What do you think would be the purpose of sharrow – common use of traffic lane with cyclists? Ex-post: What do you think is the purpose of sharrow – common use of traffic lane with cyclists?



PURPOSE OF SHARROW II.

Ex-ante: Who do you think would benefit from sharrow – common use of traffic lane with cyclists? Ex-post: Who do you think benefits most from sharrow – common use of traffic lane with cyclists?



In ex-ante wave, sharrow was most often perceived as a measure for cyclists, followed by car drivers and motorists

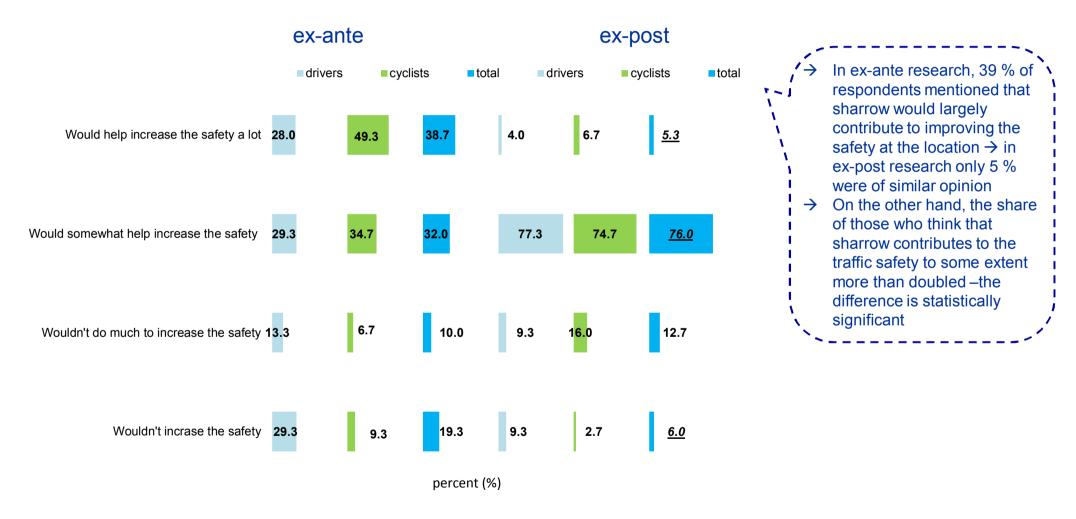
- → In ex-post wave respondents more often mentioned car drivers and less often cyclists
- → Among those in ex-ante wave who find sharrow to be meant for cyclists and those who see it as a measure for motorists, the group of respondents aged 25 to 34 years was represented above average



SHARROW AND IMPROVEMENT OF TRAFFIC SAFETY

More than 80 % of respondents think that sharrow contributes to greater safety

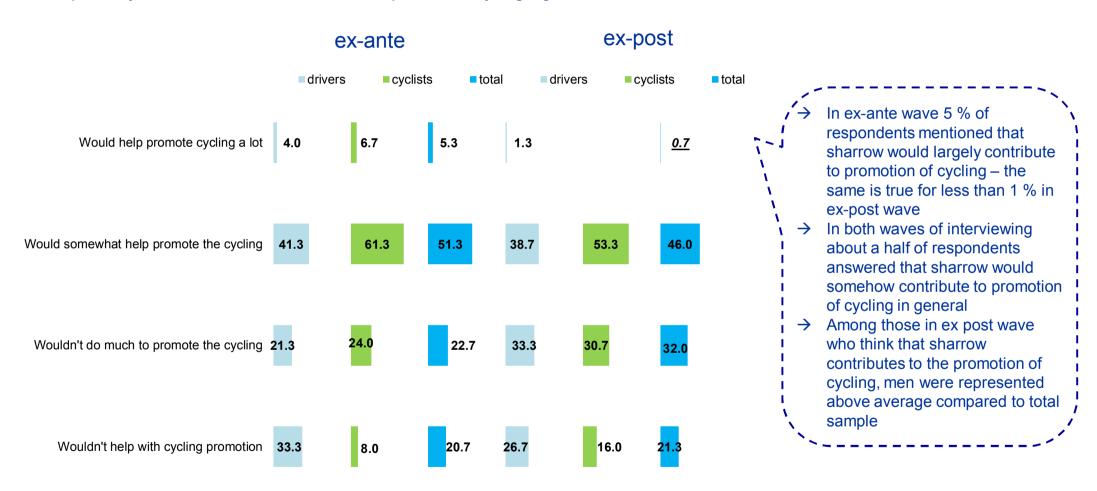
Ex-ante: Do you think that sharrow would contribute to improvement of traffic safety at this location? Ex-post: Do you think that sharrow contributes to improvement of traffic safety at this location?





SHARROW AND PROMOTION OF CYCLING IN GENERAL

Ex-ante: Do you think that sharrow would contribute to the promotion of cycling in general? Ex-post: Do you think that sharrow contributes to the promotion of cycling in general?





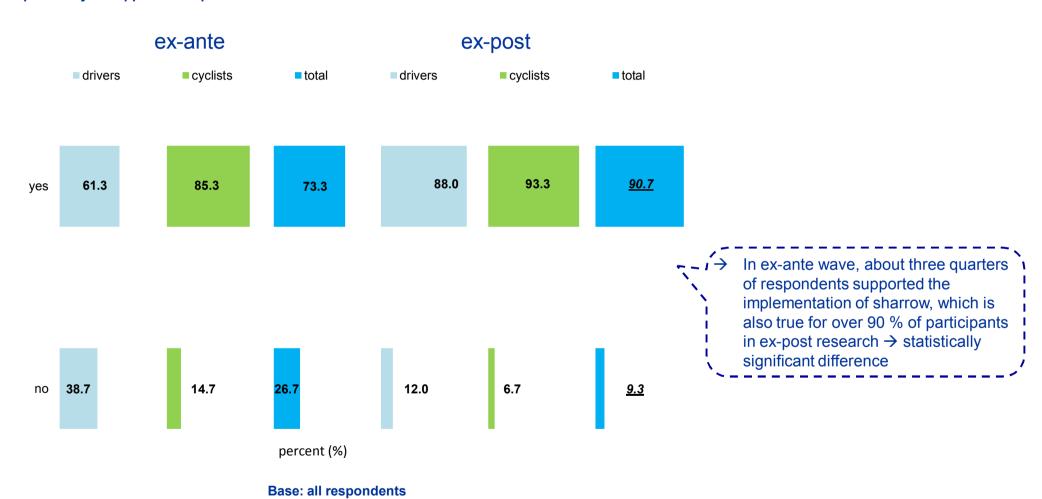
Base: all respondents

percent (%)

SUPPORT TO IMPLEMENTATION OF SHARROW AT THE LOCATION

More than 80 % of respondents would support/support the implementation of sharrow

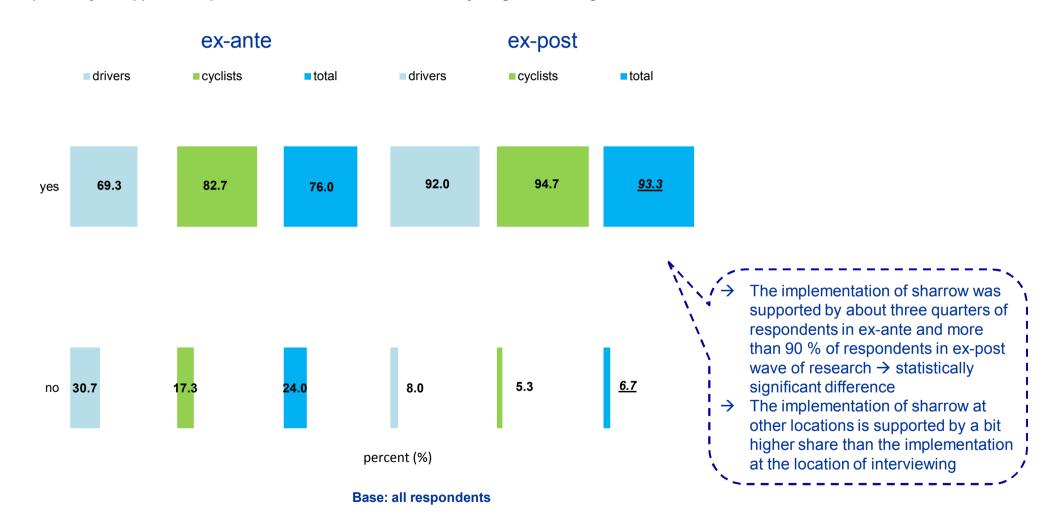
Ex-ante: Would you support the implementation of sharrow at this location? Ex-post: Do you support the implementation of sharrow at this location?



SUPPORT TO IMPLEMENTATION OF SHARROW AT OTHER LOCATIONS I.

More than 80 % of respondents would support/support the implementation of sharrow at other locations

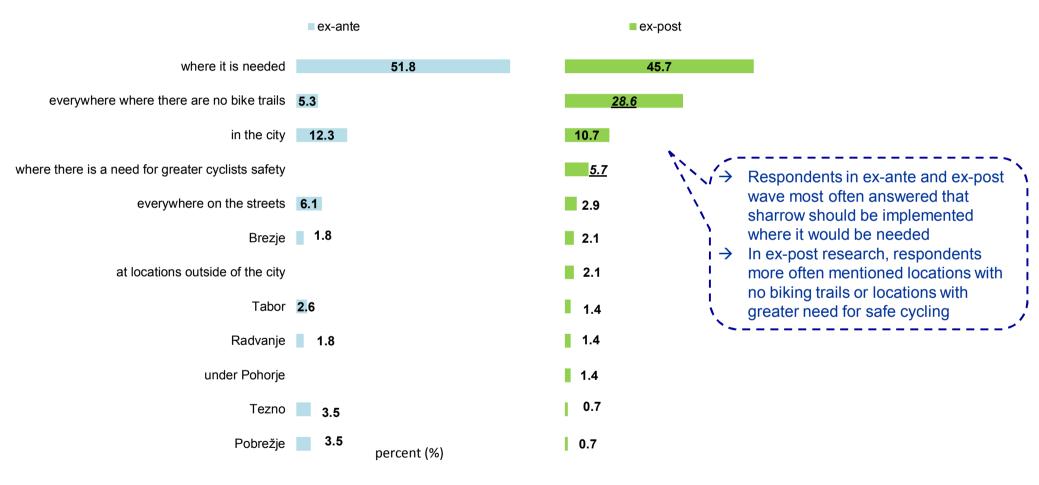
Ex-ante: Would you support the implementation of sharrow at other similarly congested or dangerous locations? Ex-post: Do you support the implementation of sharrow at other similarly congested or dangerous locations?





SUPPORT TO IMPLEMENTATION OF SHARROW AT OTHER LOCATIONS II.

At which locations?

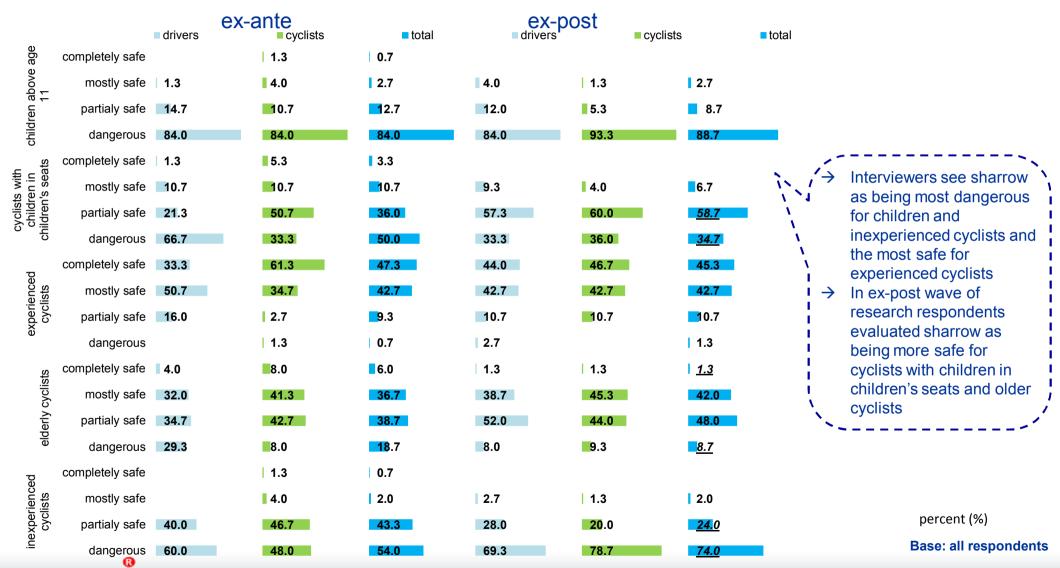


Base: those who support implementation of sharrow at other locations



CONTRIBUTION OF SHARROW TO THE GREATER SAFETY OF CYCLIST SUBGROUPS

Ex-ante: How safe would you find sharrow for the following groups of cyclists? Ex-post: How safe do you find sharrow for the following groups of cyclists?



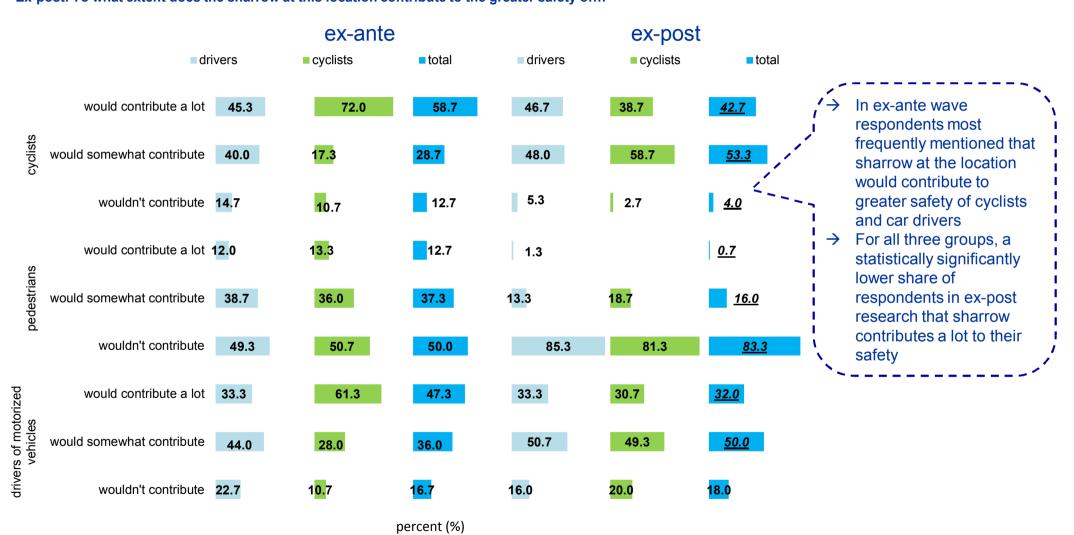
Mediana Beyond numbers

Underlined results: statistical significant differences.

Tržno raziskovanje in svetovanje Market Research and Consultancy

CONTRIBUTION OF SHARROW TO THE GREATER SAFETY OF ALL PARTICIPANTS IN TRAFFIC

Ex-ante: To what extent would the implementation of sharrow at this location contribute to the greater safety of... Ex-post: To what extent does the sharrow at this location contribute to the greater safety of...



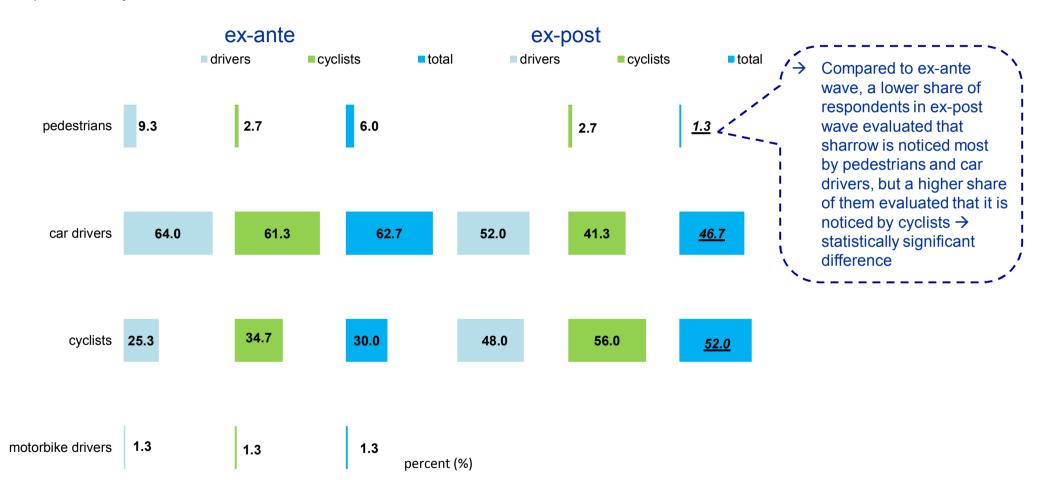


Base: all respondents

Underlined results: statistical significant differences.

NOTICEABILITY OF SHARROW AMONG PARTICIPANTS IN TRAFFIC Participants in ex-post research think that sharrow is noticed the most by cyclists

Ex-ante: Who do you think would notice sharrow the most? Ex-post: Who do you think notices sharrow the most?

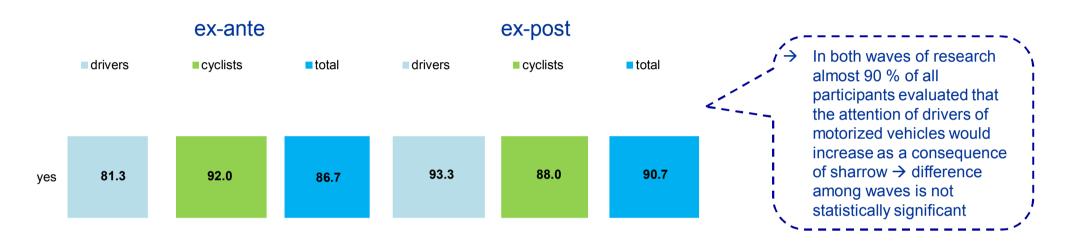


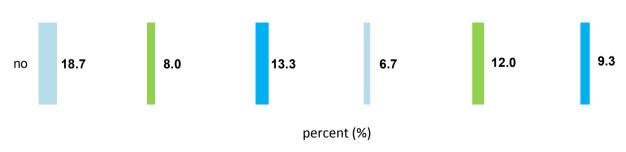


ATTENTION OF PARTICIPANTS IN TRAFFIC I.

Car drivers and cyclists both think that sharrow contributes to greater attention of drivers of motorized vehicles

Ex-ante: Do you think that drivers of motorized vehicles would pay more attention to cyclists because of sharrow – common use of traffic lane with cyclists? Ex-post: Do you think that drivers of motorized vehicles pay more attention to cyclists because of sharrow – common use of traffic lane with cyclists?



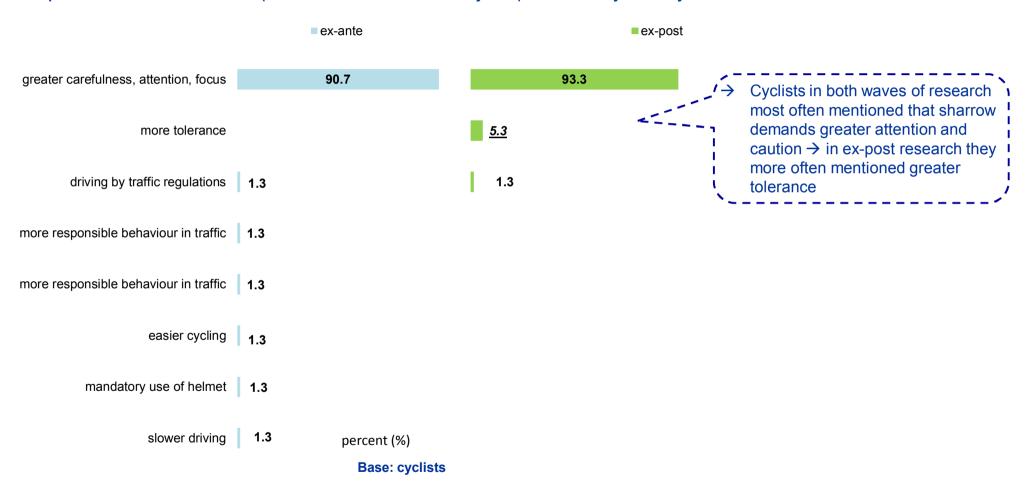






ATTENTION OF PARTICIPANTS IN TRAFFIC II.

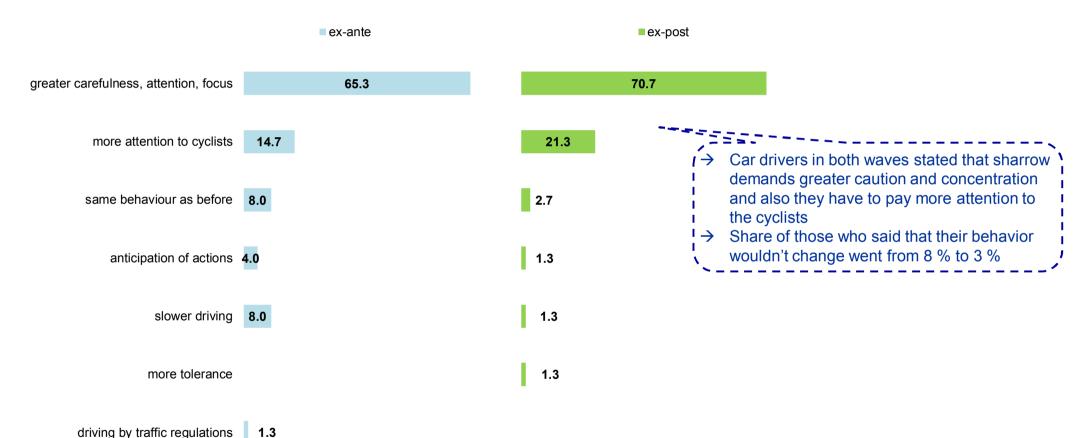
Ex-ante: What actions would sharrow (common use of traffic lane with cyclists) demand from you as a cyclists? Ex-post: What actions does sharrow (common use of traffic lane with cyclists) demand from you as a cyclists?





ATTENTION OF PARTICIPANTS IN TRAFFIC III.

Ex-ante: What actions would sharrow (common use of traffic lane with cyclists) demand from you as a car driver? Ex-post: What actions does sharrow (common use of traffic lane with cyclists) demand from you as a car driver?



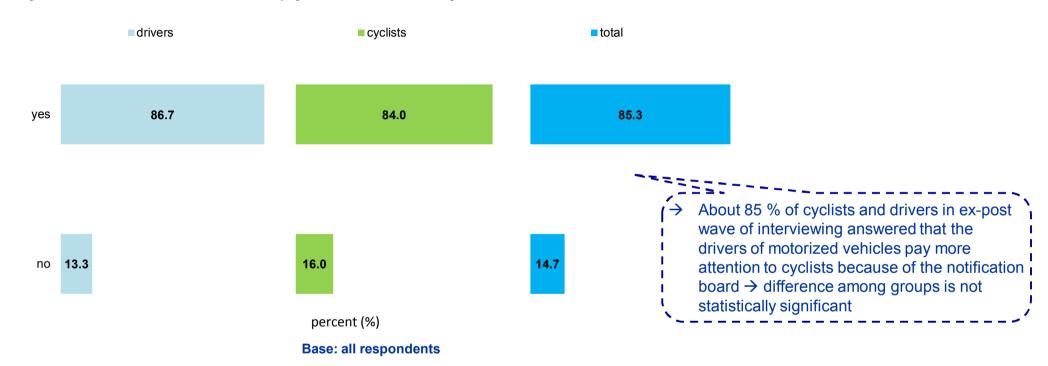


percent (%)

Base: car drivers

ATTENTION OF PARTICIPANTS IN TRAFFIC IV. - EX POST

Do you think drivers of motorized vehicles pay more attention to the cyclists because of the notification board?

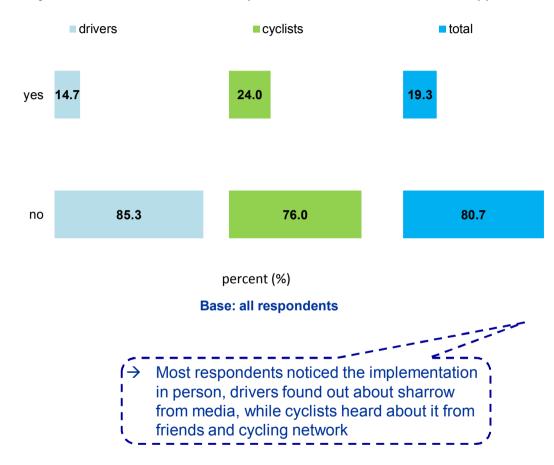


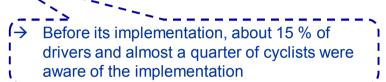


AWARENESS OF SHARROW IMPLEMENTATION – EX POST

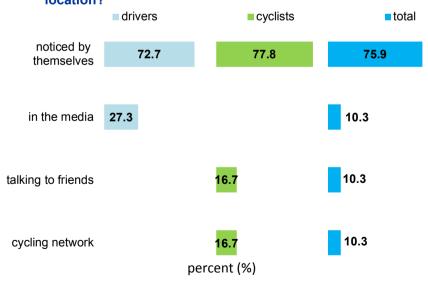
About two tenths of sharrow knew about it's implementation before it happened

Were you informed about / aware of implementation of sharrow before it happened?





Where did you find out about implementation of sharrow at this location?





Base: those who were aware of implementation









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