



# Technical report

## Citizen Panel 54 – 2024

Please use the following citation when using data from Citizen Panel 54:

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## Glossary

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<i>Break-offs</i>	Type of nonresponse. Defined as responses with more than 50 percent item nonresponse.
<i>Completion rate (COMR)</i>	The quotient of complete responses (answered more than 80% of the applicable questions) and all invited to the survey in a probability-based panel sample (COMR=complete responses/all invited to the survey).
<i>Date of reminders</i>	Reminders are sent by email to those in the sample who have not yet completed the survey.
<i>E-mail bounces</i>	Due to automatic spam filters and similar services, or incorrect e-mail addresses, certain e-mails may result in a bounce, i.e. a non-contact. Includes both “hard” and “soft” bounces.
<i>Field period</i>	The field period is the time from the first to the last field day.
<i>Item response rate</i>	Calculated by dividing the number of item responses with the number of received/applicable items.
<i>Net completion rate (NCOMR)</i>	The quotient of complete responses (answered more than 80% of the applicable questions) and all invited to the survey excluding email bounces in a probability-based panel sample (NCOMR=complete responses/all invited to the survey excluding email bounces).
<i>Net participation rate (NPR)</i>	The quotient of complete responses (answered more than 80% of the applicable questions) and all invited to the survey excluding email bounces in a non-probability based panel sample or mix probability and non-probability panel sample (NPR=complete responses/all invited to the survey excluding email bounces).
<i>Number of received/applicable items</i>	The number of questions the participant received in the survey or would have received if the participant finished the survey.
<i>Outliers (sleepers)</i>	A respondent is defined as a sleeper if the mean time-use per question/item is more than the third quartile plus 1.5 times the interquartile range ( $Q_3 + 1.5 \times IQR$ ).
<i>Outliers (speeders)</i>	A respondent is defined as a speeder if the mean time-use per question/item is less than the first quartile minus half the interquartile range ( $Q_1 - 0.5 \times IQR$ ).
<i>Partial response</i>	Defined as responses with more than 20 and less than 50 percent item nonresponse.
<i>Participation rate (PR)</i>	The quotient of complete responses (answered more than 80% of the applicable questions) and all invited to the survey in a non-probability based panel sample or mix probability and non-probability panel sample (PR=complete responses/all invited to the survey).
<i>Responses</i>	The number of surveys completed that are registered on the last field day.
<i>Study</i>	A study is a featured specific study, e.g. an experiment, or a set of panel questions with a specific purpose, or some other kind of specific and delimited study.

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# Introduction

## The Swedish Citizen Panel (SCP)

The Swedish Citizen Panel (SCP) (Swedish: Medborgarpanelen) is a non-commercial online access panel run by the SOM Institute at the University of Gothenburg. Today, the SOM Institute is a research infrastructure for collecting data from online questionnaires, mainly for survey experiments and panel studies. An essential part of the SOM Institute is also to contribute to methodological development and testing in the area of web surveys.

The Swedish Citizen Panel consists of approximately 75 000 pre-recruited panelists who have agreed to participate in research surveys in earlier recruitment efforts. Around 20 percent of the panel is recruited using a probability-based recruitment method, while remaining 80 percent of the panel is self-recruited. The Swedish Citizen Panel does not offer the participants any economic compensation for their participation.

The data collections tend to follow omnibus survey style where respondents answer questions on several topics and may participate in several different survey experiments. The topics and survey experiments are administered in collaboration with researchers and these collaborations are referred to as “studies” in this report. In addition to the studies, the respondents answer general questions not specific to any of the specific studies.

## Citizen Panel 54 (MP54)

The Citizen Panel 54 was administered between Thursday June 11, 2024, and Tuesday July 2, 2024.

- A total of 12 774 panelists were invited to complete the questionnaire, out of which 12 407 were reached by the invitation. Furthermore, 9 137 of the panelists clicked on the link to the questionnaire, and 8 651 answered more than 80% of the applicable questions (Participation Rate: 68% and Net Participation Rate (excluding those who could not be reached): 70%).
- Respondents in the panel were recruited by both probability and non-probability based methods. What type of sample used in each respective study is defined in this report.
- All in all, there were 4 studies included in the Citizen Panel 54.

## Completion and participation estimations

The technical report reports four types of participation rates, following AAPOR (2016, p. 49) standard definitions for Probability-based Internet Panels and Non-probability based Internet Panels.

If the sample of respondents was drawn solely from the probability-based internet panel of SCP, Completion Rate (COMR) (Eq.1.) and Net Completion Rate (NCOMR) (Eq.2.) is reported.

If the sample of respondents was drawn from both the probability-based internet panel and the non-probability based internet panel, or if the sample was drawn solely from the non-probability based internet panel, Participation Rate (PR) (Eq.3) and Net Participation Rate (NPR) (Eq.4) is reported.

SCP recommend that COMR and PR be reported in publications referring to a specific study.

**Completion rate** (probability-based internet panel)

$$\text{Eq.1. Completion rate (COMR)} = \frac{I}{(I+P)+(R+NC+O)}$$

$$\text{Eq.2. Net completion rate (NCOMR)} = \frac{I}{(I+P)+(R+O)}$$

**Participation rate** (non-probability based internet panel or mix probability and non-probability panel)

$$\text{Eq.3. Participation rate (PR)} = \frac{I}{(I+P)+(R+NC+O)}$$

$$\text{Eq.4. Net participation rate (NPR)} = \frac{I}{(I+P)+(R+O)}$$

*I* (Interview) refer to a completed study where the respondent answered 80% or more of the questions they would have gotten.

*P* (Partial) refer to a partial study where the respondent answered 50% or more but fewer than 80% of the questions they would have gotten.

*R* (Refusal) refer to a refused questionnaire where the respondent was contacted but did not click on the link to the questionnaire. *R* also refer to break-offs where the respondent started the study but answered fewer than 50% of the question they would have gotten.

*NC* (Non-contact) refer to a questionnaire invitation that during the entire field period never reached the respondent's email (i.e., the email invitation bounced in the first invitation and in all of the reminder emails).

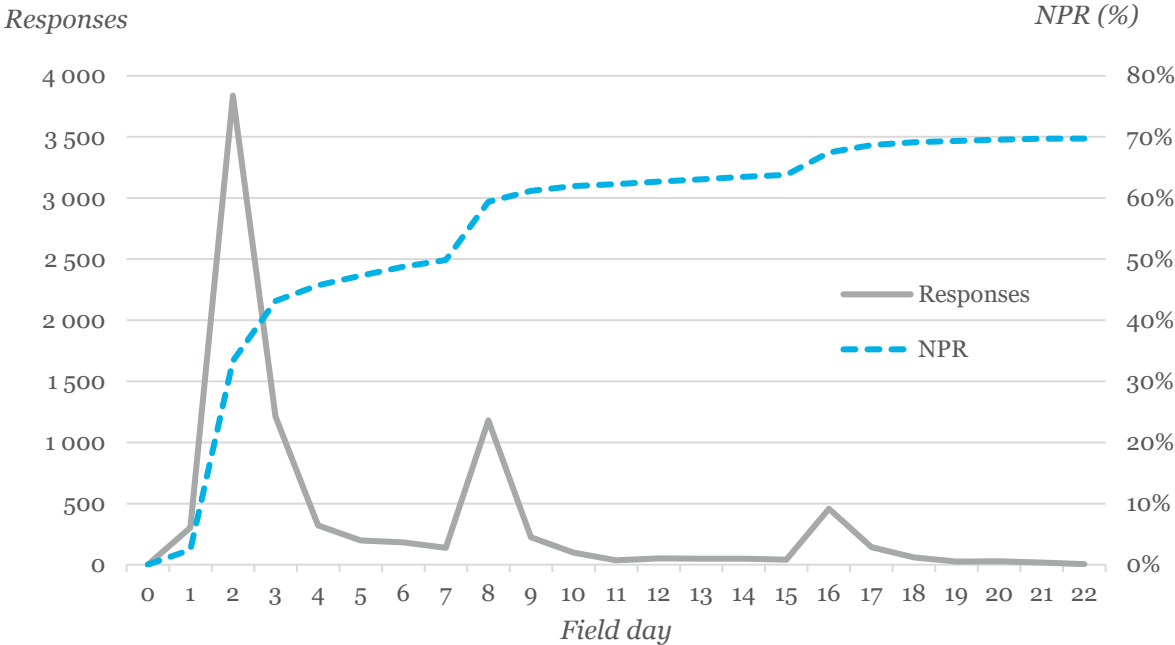
*O* (Other) refer to other categories of nonresponse. Examples of such categories are that the respondent terminated their participation in the SCP in the time between being selected to be invited and having their invitation emailed to them, did not accept the terms of participation in the panel, died, was physically or mentally unable to complete the questionnaire, or had notified that they had moved abroad (i.e. emigrated from Sweden).

# Fieldwork

**Table 1: Field information**

Name	Citizen Panel 54 (MP54)
No. of field days	22
Soft launch	Day 1: Tuesday June 11, 17:15, 2024
Main launch	Day 2: Wednesday June 12, 14:30, 2024
Reminder 1	Day 8: Tuesday June 18, 08:00, 2024
Reminder 2	Day 16: Wednesday June 26, 12:00, 2024
Field end	Day 22: Tuesday July 2, 08:45, 2024

**Figure 1: Number of responses / cumulative net participation rate (%) by field day**



## Featured studies

Table 2: Featured studies in Citizen Panel 54

<i>Study:</i>	<i>Title:</i>	<i>Principal investigator(s):</i>
Study 1	The LORE panel – wave 34	Sebastian Lundmark
Study 2	Climate Policy as a Welfare Issue	Moa Mårtensson
Study 3	SOM Institute: Future	SOM Institute
Study 4	Survey methodology: Invitation letter	LORE

## Study 1: The LORE panel – wave 34

Table 3: Study 1, The LORE panel – wave 34

<b>Sample</b>	
Source	Non-Probability
Pre-stratification variables or other selection criteria	Panelists
Age frame	17+
<b>Sample disposition</b>	
Total panelists invited ( $I+P+R+NC+O$ )	4 872
Completed study; more than 80% answered questions ( $I$ )	3 259
Partial study; 50%-80% answered questions ( $P$ )	11
Break-offs; fewer than 50% answered questions ( $R$ )	110
Refusals ( $R$ )	1 313
E-mail bounce backs or failed deliveries ( $NC$ )	179
Other ( $O$ )	0
<b>Participation rate</b>	
Participation rate (PR)	67%
Net participation rate (NPR)	69%
<b>Devices among completes</b>	
Computer device	34%
Mobile device	56%
Tablet device	10%

Table 4: Details on Study 1, The LORE panel – wave 34

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	74.70	75.00	0.65	3 380
Number of item responses	72.02	75.00	12.68	3 380
Item response rate	0.96	1.00	0.17	3 380
Minutes to answer, excluding outliers	9.02	8.53	3.72	3 118
Seconds per item, excluding outliers	7.44	6.87	3.21	3 043
Minutes to answer, including outliers	11.13	8.71	27.43	3 379
Seconds per item, including outliers	9.13	7.01	21.92	3 304
Seconds per item, speeders	2.78	2.95	0.43	50
Seconds per item, sleepers	35.03	19.86	81.75	211



## Study 2: Climate Policy as a Welfare Issue

Table 5: Study 2: Climate Policy as a Welfare Issue

<b>Sample</b>	
Source	Non-probability (89%) Probability (11%)
Pre-stratification variables or other selection criteria	-
Age frame	18+
<b>Sample disposition</b>	
Total panelists invited ( $I+P+R+NC+O$ )	7 902
Completed study; more than 80% answered questions ( $I$ )	5 383
Partial study; 50%-80% answered questions ( $P$ )	260
Break-offs; fewer than 50% answered questions ( $R$ )	96
Refusals ( $R$ )	1 975
E-mail bounce backs or failed deliveries ( $NC$ )	188
Other ( $O$ )	0
<b>Participation rate</b>	
Participation rate (PR)	68%
Net participation rate (NPR)	70%
<b>Devices among completes</b>	
Computer device	35%
Mobile device	55%
Tablet device	10%

Table 6: Details on Study 2: Climate Policy as a Welfare Issue

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	83.53	84.00	0.50	5 739
Number of item responses	79.01	81.00	10.41	5 739
Item response rate	0.95	0.98	0.12	5 739
Minutes to answer, excluding outliers	14.87	13.80	5.60	5 289
Seconds per item, excluding outliers	10.85	9.91	4.91	5 289
Minutes to answer, including outliers	17.02	14.03	29.16	5 721
Seconds per item, including outliers	12.37	10.09	20.80	5 721
Seconds per item, speeders	4.21	4.30	0.47	122
Seconds per item, sleepers	41.47	28.87	81.72	310

## Study 3: SOM Institute: Future

Table 7: Study 3, SOM Institute: Future

<b>Sample</b>		Non-probability
Source		
Pre-stratification variables or other selection criteria		-
Age frame		17+
<b>Sample disposition</b>		
Total panelists invited ( $I+P+R+NC+O$ )		4 872
Completed study; more than 80% answered questions ( $I$ )		3 234
Partial study; 50%-80% answered questions ( $P$ )		30
Break-offs; fewer than 50% answered questions ( $R$ )		1
Refusals ( $R$ )		1 428
E-mail bounce backs or failed deliveries ( $NC$ )		179
Other ( $O$ )		0
<b>Participation rate</b>		
Participation rate (PR)		66%
Net participation rate (NPR)		69%
<b>Devices among completes</b>		
Computer device		34%
Mobile device		56%
Tablet device		10%

Table 8: Details on Study 3, SOM Institute, Future

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	4.99	5.00	0.10	3 265
Number of item responses	4.97	5.00	0.25	3 265
Item response rate	0.99	1.00	0.04	3 265
Minutes to answer, excluding outliers	0.69	0.63	0.26	3 014
Seconds per item, excluding outliers	1.79	1.64	0.69	3 014
Minutes to answer, including outliers	0.82	0.65	0.83	3 265
Seconds per item, including outliers	2.14	1.70	2.16	3 265
Seconds per item, speeders	0.65	0.68	0.08	32
Seconds per item, sleepers	7.09	5.40	6.06	219

## **Study 4: Survey methodology: Invitation Letter**

This study did not include its own questions and is therefore excluded from the presentation of general and detailed information.

# Summary, Citizen Panel 54

Table 17: Overall information, Citizen Panel 54

<b>Sample</b>	
Source	Non-probability (93%) Probability (7%)
Pre-stratification variables or other selection criteria	-
Age frame	17+
<b>Sample disposition</b>	
Total panelists invited ( $I+P+R+NC+O$ )	12 774
Completed questionnaires; more than 80% answered questions ( $I$ )	8 651
Partial questionnaires; 50%-80% answered questions ( $P$ )	259
Break-offs; fewer than 50% answered questions ( $R$ )	227
Refusals ( $R$ )	3 270
E-mail bounce backs or failed deliveries ( $NC$ )	367
Other ( $O$ )	0
<b>Participation rate</b>	
Participation rate ( $PR$ )	68%
Net participation rate ( $NPR$ )	70%
<b>Devices among completes</b>	
Computer device	34%
Mobile device	56%
Tablet device	10%

The Swedish Citizen Panel (SCP) is an academic web survey center located at the SOM Institute at the University of Gothenburg. The objective of the Swedish Citizen Panel is to facilitate for scientists to conduct web survey experiments, collect panel data and to contribute to methodological development. For more information, please contact us at:

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