



# Technical report

## Citizen Panel 52 – 2023

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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 – MP) 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 52 (MP52)

The Citizen Panel 52 was administered between Wednesday December 6, 2023 and Thursday January 4, 2024.

- A total of 12 188 panelists were invited to complete the questionnaire, out of which 11 893 were reached by the invitation. Furthermore, 8 312 of the panelists clicked on the link to the questionnaire, and 7 771 answered more than 80% of the applicable questions (Participation Rate: 64% and Net Participation Rate (excluding those who could not be reached): 65%).
- 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 3 studies included in the Citizen Panel 52.

## 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).

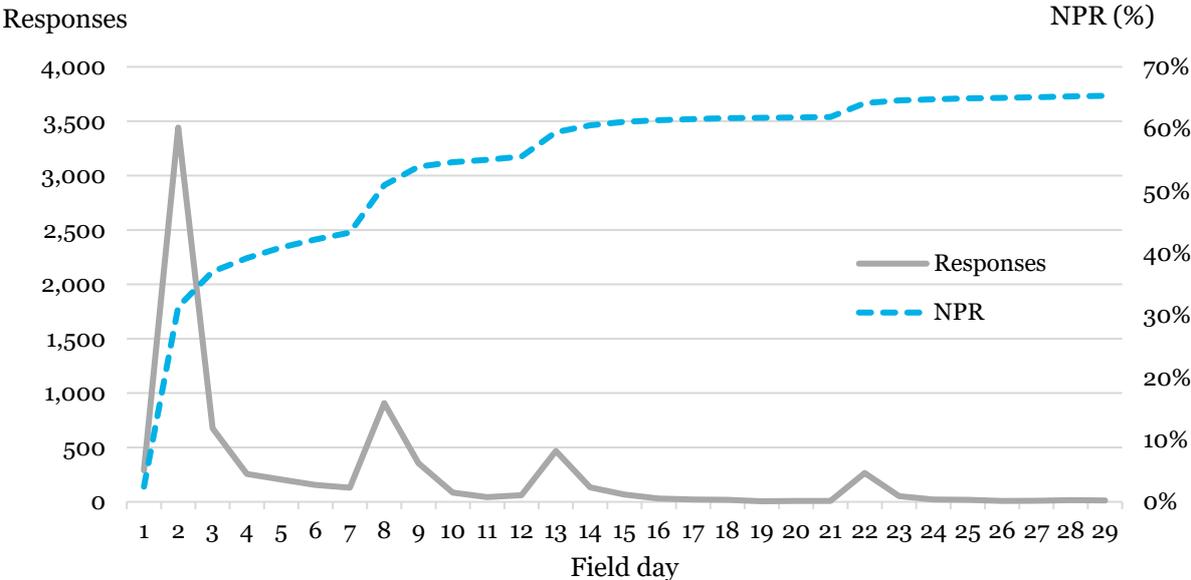
*O* (Other) refer to other categories of nonresponse. Examples of such categories are that the respondent terminated their participation in the SCP in the time between being selected to be invited and having their invitation emailed to them, did not accept the terms of participation in the panel, died, 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 52 (MP52)
No. of field days	30
Soft launch	Day 1: Wednesday December 6, 15:40, 2023
Main launch	Day 2: Thursday December 7, 11:40, 2023
Reminder 1	Day 8: Wednesday December 13, 16:00, 2023
Reminder 2	Day 13: Monday December 18, 12:00, 2023
Reminder 3	Day 22: Wednesday December 27, 08:00, 2023
Field end	Day 30: Thursday January 4, 09:20, 2024

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



## Featured studies

Table 2: Featured studies in Citizen Panel 52

<i>Study:</i>	<i>Title:</i>	<i>Principal investigator(s):</i>
Study 1	Activation and articulation of authoritarian attitudes – experiment 4 wave 1	Mats Ekström
Study 2	Constructive journalism	Monika Djerf-Pierre
Study 3	Test of questions to Aftonbladet’s EU election compass 2024	Patrik Öhberg

## Study 1: Activation and articulation of authoritarian attitudes - experiment 4 wave 1

**Table 3: Study 1, Activation and articulation of authoritarian attitudes – experiment 4 wave 1**

<b>Sample</b>	
Source	Non-probability
Pre-stratification variables or other selection criteria	Sex*Age*Education
Age frame	18-85
<b>Sample disposition</b>	
Total panelists invited ( <i>I+P+R+NC+O</i> )	5 000
Completed study; more than 80% answered questions ( <i>I</i> )	3 054
Partial study; 50%-80% answered questions ( <i>P</i> )	24
Break-offs; fewer than 50% answered questions ( <i>R</i> )	99
Refusals ( <i>R</i> )	1 692
E-mail bounce backs or failed deliveries ( <i>NC</i> )	131
Other ( <i>O</i> )	0
<b>Participation rate</b>	
Participation rate (PR)	61%
Net participation rate (NPR)	63%
<b>Devices among completes</b>	
Computer device	30%
Mobile device	61%
Tablet device	9%

**Table 4: Details on Study 1, Activation and articulation of authoritarian attitudes – experiment 4 wave 1**

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	32.95	33.00	0.22	3 177
Number of item responses	31.87	33.00	5.25	3 177
Item response rate	0.97	1.00	0.16	3 177
Minutes to answer, excluding outliers	5.70	5.29	2.29	2 919
Seconds per item, excluding outliers	10.56	9.47	6.09	2 919
Minutes to answer, including outliers	8.11	5.41	42.06	3 155
Seconds per item, including outliers	14.78	9.71	74.33	3 155
Seconds per item, speeders	3.96	4.13	0.43	39
Seconds per item, sleepers	79.56	29.50	289.55	197

## Study 2: Constructive journalism

Table 5: Study 2, Constructive journalism

<b>Sample</b>	
Source	Non-probability
Pre-stratification variables or other selection criteria	Sex*Age*Education
Age frame	18-85
<b>Sample disposition</b>	
Total panelists invited ( $I+P+R+NC+O$ )	8 000
Completed study; more than 80% answered questions ( $I$ )	4 622
Partial study; 50%-80% answered questions ( $P$ )	30
Break-offs; fewer than 50% answered questions ( $R$ )	298
Refusals ( $R$ )	2 847
E-mail bounce backs or failed deliveries ( $NC$ )	203
Other ( $O$ )	0
<b>Participation rate</b>	
Participation rate (PR)	58%
Net participation rate (NPR)	59%
<b>Devices among completers</b>	
Computer device	30%
Mobile device	61%
Tablet device	9%

Table 6: Details on Study 2: Constructive journalism

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	31.26	38.00	11.84	4 950
Number of item responses	28.95	38.00	13.48	4 950
Item response rate	0.94	1.00	0.22	4 950
Minutes to answer, excluding outliers	6.18	6.20	3.56	4 484
Seconds per item, excluding outliers	12.15	10.57	7.58	4 484
Minutes to answer, including outliers	7.90	6.14	33.67	4 923
Seconds per item, including outliers	15.16	10.52	53.75	4 923
Seconds per item, speeders	4.48	4.59	0.61	254
Seconds per item, sleepers	102.64	38.14	260.40	185

## Study 3: Test of questions to Aftonbladet's EU election compass 2024

Table 7: Study 3, Test of questions to Aftonbladet's EU election compass 2024

<b>Sample</b>		Non-probability
Source		-
Pre-stratification variables or other selection criteria		-
Age frame		22-84
<b>Sample disposition</b>		
Total panelists invited ( $I+P+R+NC+O$ )		4 188
Completed study; more than 80% answered questions ( $I$ )		3 165
Partial study; 50%-80% answered questions ( $P$ )		25
Break-offs; fewer than 50% answered questions ( $R$ )		43
Refusals ( $R$ )		863
E-mail bounce backs or failed deliveries ( $NC$ )		92
Other ( $O$ )		0
<b>Participation rate</b>		
Participation rate (PR)		76%
Net participation rate (NPR)		77%
<b>Devices among completes</b>		
Computer device		38%
Mobile device		52%
Tablet device		10%

Table 8: Details on Study 3, Test of questions to Aftonbladet's EU election compass 2024

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	23.46	24.00	9.54	3 619
Number of item responses	22.85	24.00	9.85	3 619
Item response rate	0.98	1.00	0.11	3 233
Minutes to answer, excluding outliers	4.38	3.90	2.07	3 346
Seconds per item, excluding outliers	10.29	9.13	4.91	2 974
Minutes to answer, including outliers	5.99	4.06	25.69	3 602
Seconds per item, including outliers	14.04	9.47	62.83	3 222
Seconds per item, speeders	3.18	3.43	0.46	23
Seconds per item, sleepers	64.68	31.72	231.66	225

## Summary, Citizen Panel 52

Table 9: Overall information, Citizen Panel 52

<b>Sample</b>		Non-probability
Source		-
Pre-stratification variables or other selection criteria		-
Age frame		18-85
<b>Sample disposition</b>		
Total panelists invited ( $I+P+R+NC+O$ )		12 188
Completed questionnaires; more than 80% answered questions ( $I$ )		7 771
Partial questionnaires; 50%-80% answered questions ( $P$ )		224
Break-offs; fewer than 50% answered questions ( $R$ )		317
Refusals ( $R$ )		3 581
E-mail bounce backs or failed deliveries ( $NC$ )		295
Other ( $O$ )		0
<b>Participation rate</b>		
Participation rate ( $PR$ )		64%
Net participation rate ( $NPR$ )		65%
<b>Devices among completes</b>		
Computer device		33%
Mobile device		58%
Tablet device		9%

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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