



Technical report

Citizen Panel 51 – 2023

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Glossary

<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.

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 51 (MP51)

The Citizen Panel 51 was administered between Tuesday September 19, 2023 and Tuesday October 10, 2023.

- A total of 14 890 panelists were invited to complete the questionnaire, out of which 14 715 were reached by the invitation. Furthermore, 10 957 of the panelists clicked on the link to the questionnaire, and 8 146 answered more than 80% of the applicable questions (Participation Rate: 55% and Net Participation Rate (excluding those who could not be reached): 55%).
- 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 51.

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).

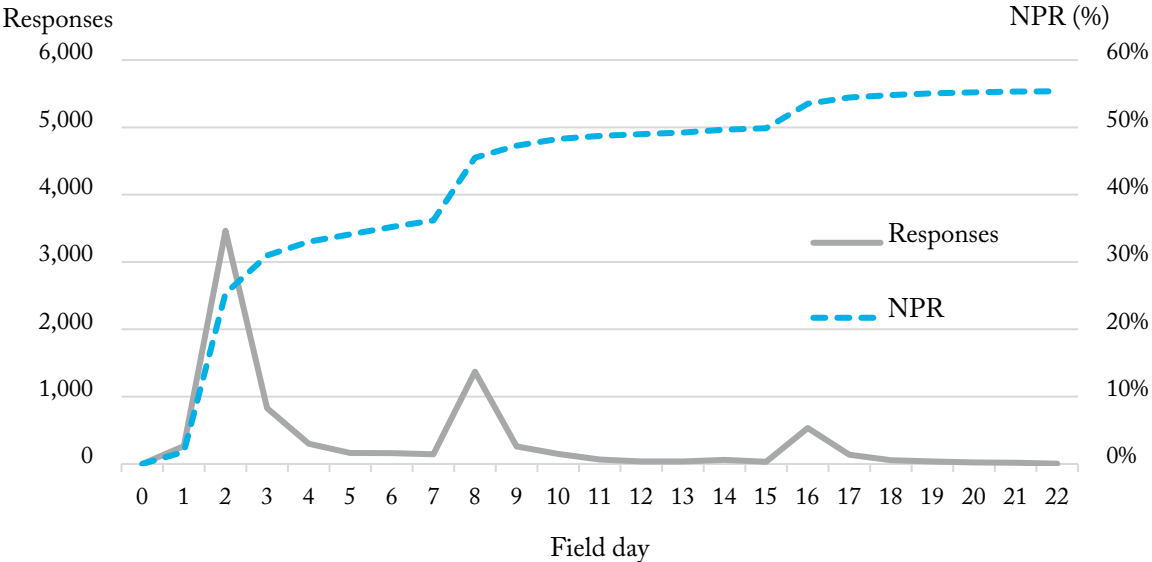
O (Other) refer to other categories of nonresponse. Examples of such categories are that the respondent terminated their participation in the SCP in the time between being selected to be invited and having their invitation emailed to them, did not accept the terms of participation in the panel, died, 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 51 (MP51)
No. of field days	22
Soft launch	Day 1: Tuesday September 19, 15:57, 2023
Main launch	Day 2: Wednesday September 20, 11:57, 2023
Reminder 1	Day 8: Tuesday September 26, 08:00, 2023
Reminder 2	Day 16: Wednesday October 4, 12:00, 2023
Field end	Day 22: Tuesday October 10, 08:51, 2023

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



Featured studies

Table 2: Featured studies in Citizen Panel 51

<i>Study:</i>	<i>Title:</i>	<i>Principal investigator(s):</i>
Study 1	The liberalizing effect of higher education – wave 4	Mikael Hjerm
Study 2	Managers' individual and organizational prerequisites for alcohol prevention in the workplace	Gunnel Hensing
Study 3	Ocean Literacy in Sweden	Kajsa Tönnesson

Study 1: The liberalizing effect of higher education – wave 4

Table 3: Study 1, The liberalizing effect of higher education – wave 4

Sample	
Source	Non-probability
Pre-stratification variables or other selection criteria	Not initiated university studies
Age frame	20-32
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	618
Completed study; more than 80% answered questions (I)	192
Partial study; 50%-80% answered questions (P)	0
Break-offs; fewer than 50% answered questions (R)	10
Refusals (R)	399
E-mail bounce backs or failed deliveries (NC)	17
Other (O)	0
Participation rate	
Participation rate (PR)	31%
Net participation rate (NPR)	32%
Devices among completes	
Computer device	27%
Mobile device	66%
Tablet device	7%

Table 4: Details on Study 1, The liberalizing effect of higher education – wave 4

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	19.75	20.00	0.55	202
Number of item responses	18.95	20.00	3.53	202
Item response rate	0.96	1.00	0.18	202
Minutes to answer, excluding outliers	2.85	2.63	1.18	181
Seconds per item, excluding outliers	8.58	7.90	3.41	179
Minutes to answer, including outliers	3.55	2.82	3.24	200
Seconds per item, including outliers	10.62	8.21	9.36	198
Seconds per item, speeders	2.66	2.66	-	1
Seconds per item, sleepers	31.33	24.78	19.82	18

Study 2: Managers' individual and organizational prerequisites for alcohol prevention in the workplace

Table 5: Study 2, Managers' individual and organizational prerequisites for alcohol prevention in the workplace

Sample	
Source	Non-probability
Pre-stratification variables or other selection criteria	In managerial position
Age frame	20+
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	9 072
Completed study; more than 80% answered questions (I)	4 949
Partial study; 50%-80% answered questions (P)	286
Break-offs; fewer than 50% answered questions (R)	633
Refusals (R)	3 168
E-mail bounce backs or failed deliveries (NC)	36
Other (O)	0
Participation rate	
Participation rate (PR)	55%
Net participation rate (NPR)	55%
Devices among completes	
Computer device	35%
Mobile device	57%
Tablet device	8%

Table 6: Details on Study 2: Managers' individual and organizational prerequisites for alcohol prevention in the workplace

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	72.00	72.00	0.00	5 868
Number of item responses	63.64	72.00	19.81	5 868
Item response rate	0.88	1.00	0.28	5 868
Minutes to answer, excluding outliers	8.03	7.88	3.29	5 262
Seconds per item, excluding outliers	8.07	6.98	10.09	5 262
Minutes to answer, including outliers	10.34	8.01	26.96	5 767
Seconds per item, including outliers	10.17	7.10	29.82	5 767
Seconds per item, speeders	3.38	3.48	0.41	144
Seconds per item, sleepers	43.56	19.88	107.46	361

Study 3: Ocean Literacy in Sweden

Table 7: Study 3, Ocean Literacy in Sweden

Sample	
Source	Probability
Pre-stratification variables or other selection criteria	Sex*Age*Education
Age frame	18-85
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	5 200
Completed study; more than 80% answered questions (I)	2 843
Partial study; 50%-80% answered questions (P)	93
Break-offs; fewer than 50% answered questions (R)	111
Refusals (R)	2 031
E-mail bounce backs or failed deliveries (NC)	122
Other (O)	0
Participation rate	
Participation rate (PR)	55%
Net participation rate (NPR)	56%
Devices among completers	
Computer device	35%
Mobile device	57%
Tablet device	8%

Table 8: Details on Study 3, Ocean Literacy in Sweden

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	151.26	152.00	4.42	3 047
Number of item responses	144.28	152.00	25.98	3 047
Item response rate	0.95	1.00	0.17	3 047
Minutes to answer, excluding outliers	12.40	11.56	4.82	2 775
Seconds per item, excluding outliers	5.13	4.63	2.56	2 768
Minutes to answer, including outliers	14.83	11.86	28.47	3 028
Seconds per item, including outliers	6.11	4.72	11.44	3 021
Seconds per item, speeders	1.76	1.87	0.40	64
Seconds per item, sleepers	21.99	13.72	41.60	189

Summary, Citizen Panel 51

Table 9: Overall information, Citizen Panel 51

Sample	
Source	Probability 35% Non-probability: 65%
Pre-stratification variables or other selection criteria	-
Age frame	18+
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	14 890
Completed questionnaires; more than 80% answered questions (I)	8 146
Partial questionnaires; 50%-80% answered questions (P)	2 029
Break-offs; fewer than 50% answered questions (R)	782
Refusals (R)	3 758
E-mail bounce backs or failed deliveries (NC)	175
Other (O)	0
Participation rate	
Participation rate (PR)	55%
Net participation rate (NPR)	55%
Devices among completes	
Computer device	35%
Mobile device	57%
Tablet device	8%

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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