The Swedish Citizen Panel

UNIVERSITY OF GOTHENBURG

Technical report
Citizen Panel 49 – 2023

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The Swedish
Citizen Panel
The SOM Institute

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Contents

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Glossary

Break-offs	Type of nonresponse. Defined as responses with more than 50 percent item nonresponse.
Completion rate (COMR)	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).
Date of reminders	Reminders are sent by email to those in the sample who have not yet completed the survey.
E-mail bounces	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.
Field period	The field period is the time from the first to the last field day.
Item response rate	Calculated by dividing the number of item responses with the number of received/applicable items.
Net completion rate (NCOMR)	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).
Net participation rate (NPR)	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).
Number of received/applicable items	The number of questions the participant received in the survey or would have received if the participant finished the survey.
Outliers (sleepers)	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 (Q3 + 1.5×IQR).
Outliers (speeders)	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 (Q1 − 0.5×IQR).
Partial response	Defined as responses with more than 20 and less than 50 percent item nonresponse.
Participation rate (PR)	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).
Responses	The number of surveys completed that are registered on the last field day.
Study	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 49 (MP49)

The Citizen Panel 49 was administered between Tuesday February 28, 2023, and Monday March 27, 2023.

- A total of 77 410 panelists were invited to complete the questionnaire, out of which 75 182 were reached by the invitation. Furthermore, 52 279 of the panelists clicked on the link to the questionnaire, and 50 668 answered more than 80% of the applicable questions (Participation Rate: 65% and Net Participation Rate (excluding those who could not be reached): 67%).
- 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 8 studies included in the Citizen Panel 49.

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 49 (MP49)
No. of field days	29
Soft launch	Day 1: Tuesday February 28, 10:40, 2023
Main launch	Day 1: Tuesday February 28, 15:30, 2023
Reminder 1	Day 8: Tuesday March 7, 08:00, 2023
Reminder 2	Day 15: Tuesday March 14, 20:00, 2023
Field end	Day 29: Monday March 27, 11:55, 2023

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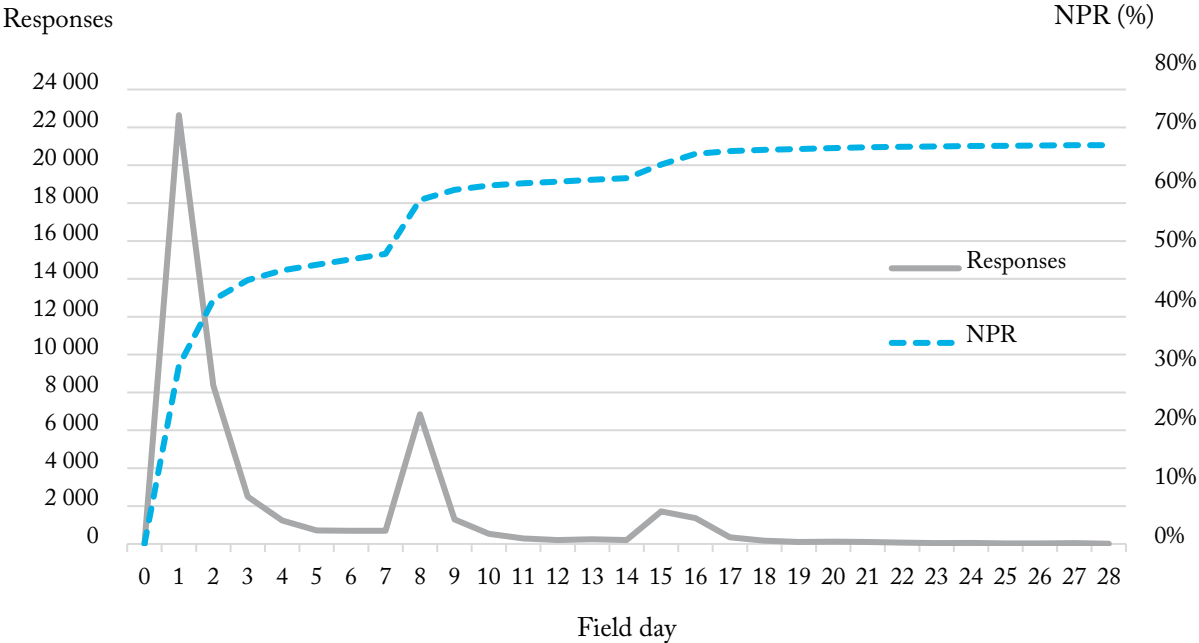
Featured studies

Table 2: Featured studies in Citizen Panel 49

Study:	Title:	Principal investigator(s):
Study 1	The LORE panel – wave 32	Johan Martinsson
Study 2	The Knowledge Resistance Panel – wave 4	Jesper Strömbäck
Study 3	(Mis)perceptions about immigration and crime – wave 3	Elina Lindgren
Study 4	Trust in Sahlgrenska University Hospital	Sahlgrenska University Hospital
Study 5	SOM Institute: Class	SOM Institute
Study 6	Survey methodology: Up means good	Sebastian Lundmark
Study 7	SOM Institute: Trust	SOM Institute
Study 8	SCP: Additional general questions	Swedish Citizen Panel

Study 1: The LORE Panel – wave 32

Table 3: Study 1, The LORE Panel – wave 32

Sample	
Source	Non-probability
Pre-stratification variables or other selection criteria	Panelists
Age frame	24+
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	3 943
Completed study; more than 80% answered questions (I)	2 891
Partial study; 50%-80% answered questions (P)	5
Break-offs; fewer than 50% answered questions (R)	14
Refusals (R)	939
E-mail bounce backs or failed deliveries (NC)	94
Other (O)	0
Participation rate	
Participation rate (PR)	73%
Net participation rate (NPR)	75%
Devices among completes	
Computer device	42%
Mobile device	48%
Tablet device	10%

Table 4: Details on Study 1, The LORE Panel – wave 32

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	10.00	10.00	0.08	51 540
Number of item responses	0.56	0.00	2.31	51 540
Item response rate	0.99	1.00	0.07	2 910
Minutes to answer, excluding outliers	1.08	1.00	0.38	2 651
Seconds per item, excluding outliers	2.44	2.26	0.86	2 651
Minutes to answer, including outliers	1.32	1.03	2.45	2 899
Seconds per item, including outliers	3.00	2.31	5.70	2 899
Seconds per item, speeders	1.00	1.01	0.08	58
Seconds per item, sleepers	11.41	6.49	20.29	190

Study 2: The Knowledge Resistance Panel – wave 4

Table 5: Study 2, The Knowledge Resistance Panel – wave 4

Sample	
Source	Probability: 47%
	Non-probability: 53%
Pre-stratification variables or other selection criteria	Panelists (Knowledge Resistance Panel)
Age frame	22+
Sample disposition	
Total panelists invited (*I+P+R+NC+O*)	9 611
Completed study; more than 80% answered questions (*I*)	4 467
Partial study; 50%-80% answered questions (*P*)	95
Break-offs; fewer than 50% answered questions (*R*)	144
Refusals (*R*)	4 146
E-mail bounce backs or failed deliveries (*NC*)	757
Other (*O*)	2
Participation rate	
Participation rate (PR)	46%
Net participation rate (NPR)	50%
Devices among completes	
Computer device	37%
Mobile device	54%
Tablet device	9%

Table 6: Details on Study 2, The Knowledge Resistance Panel – wave 4

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	148.92	149.00	0.37	4 706
Number of item responses	142.66	148.00	21.90	4 706
Item response rate	0.96	1.00	0.15	4 706
Minutes to answer, excluding outliers	18.93	18.03	6.47	4 326
Seconds per item, excluding outliers	7.73	7.28	2.47	4 304
Minutes to answer, including outliers	19.82	18.05	11.86	4 695
Seconds per item, including outliers	8.10	7.29	4.68	4 673
Seconds per item, speeders	3.38	3.53	0.42	177
Seconds per item, sleepers	20.77	17.78	14.65	192

Study 3: (Mis)perceptions about immigration and crime – wave 3

Table 7: Study 3, (Mis)perceptions about immigration and crime – wave 3

Sample	
Source	Non-probability
Pre-stratification variables or other selection criteria	Panelists (Knowledge Resistance Panel on crime statistics)
Age frame	19+
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	2 737
Completed study; more than 80% answered questions (I)	2 022
Partial study; 50%-80% answered questions (P)	86
Break-offs; fewer than 50% answered questions (R)	203
Refusals (R)	424
E-mail bounce backs or failed deliveries (NC)	2
Other (O)	0
Participation rate	
Participation rate (PR)	74%
Net participation rate (NPR)	74%
Devices among completes	
Computer device	32%
Mobile device	58%
Tablet device	10%

Table 8: Details on Study 3, (Mis)perceptions about immigration and crime – wave 3

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	8.00	8.00	0.00	2 311
Number of item responses	7.27	8.00	2.07	2 311
Item response rate	0.91	1.00	0.26	2 311
Minutes to answer, excluding outliers	2.18	1.99	1.17	2 104
Seconds per item, excluding outliers	15.84	14.09	7.49	2 008
Minutes to answer, including outliers	2.90	2.10	3.76	2 308
Seconds per item, including outliers	20.83	14.92	25.58	2 212
Seconds per item, speeders	3.74	3.78	0.28	12
Seconds per item, sleepers	74.08	54.01	62.10	192

Study 4: Trust in Sahlgrenska University Hospital

Table 9: Study 4, Trust in Sahlgrenska University Hospital

Sample	
Source	Probability
Pre-stratification variables or other selection criteria	Sex*Age*Education, residents of Västra Götaland
Age frame	18+
Sample disposition	
Total panelists invited (*I+P+R+NC+O*)	3 000
Completed study; more than 80% answered questions (*I*)	1 390
Partial study; 50%-80% answered questions (*P*)	556
Break-offs; fewer than 50% answered questions (*R*)	191
Refusals (*R*)	812
E-mail bounce backs or failed deliveries (*NC*)	51
Other (*O*)	0
Completion rate	
Completion rate (COMR)	46%
Net completion rate (NCOMR)	47%
Devices among completes	
Computer device	38%
Mobile device	53%
Tablet device	9%

Table 10: Details on Study 4, Trust in Sahlgrenska University Hospital

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	19.00	19.00	0.00	2 137
Number of item responses	15.70	19.00	5.08	2 137
Item response rate	0.83	1.00	0.27	2 137
Minutes to answer, excluding outliers	2.60	2.34	1.38	1 966
Seconds per item, excluding outliers	9.40	7.56	8.72	1 963
Minutes to answer, including outliers	3.34	2.44	5.07	2 126
Seconds per item, including outliers	11.51	7.99	16.72	2 123
Seconds per item, speeders	2.12	2.16	0.17	7
Seconds per item, sleepers	38.97	26.47	45.84	153

Study 5: SOM Institute: Class

Table 11: Study 5, SOM Institute: Class

Sample	
Source	Probability: 20%
	Non-probability: 80%
Pre-stratification variables or other selection criteria	-
Age frame	16+
Sample disposition	
Total panelists invited (*I+P+R+NC+O*)	67 799
Completed study; more than 80% answered questions (*I*)	24 515
Partial study; 50%-80% answered questions (*P*)	714
Break-offs; fewer than 50% answered questions (*R*)	21 984
Refusals (*R*)	19 114
E-mail bounce backs or failed deliveries (*NC*)	1 471
Other (*O*)	1
Participation rate	
Participation rate (PR)	36%
Net participation rate (NPR)	37%
Devices among completes	
Computer device	36%
Mobile device	55%
Tablet device	9%

Table 12: Details on Study 5, SOM Institute: Class

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	6.00	6.00	0.01	51 566
Number of item responses	2.90	0.00	2.97	51 566
Item response rate	0.53	1.00	0.49	47 213
Minutes to answer, excluding outliers	1.76	1.61	0.72	23 232
Seconds per item, excluding outliers	4.56	4.15	1.85	23 232
Minutes to answer, including outliers	2.04	1.65	1.86	25 247
Seconds per item, including outliers	5.28	4.27	4.80	25 247
Seconds per item, speeders	1.49	1.55	0.23	425
Seconds per item, sleepers	16.81	13.48	13.09	1 590

Study 6: Survey methodology: Up means good

Table 13: Study 6, Survey methodology: Up means good

Sample	
Source	Non-probability
Pre-stratification variables or other selection criteria	Sex*Age*Education
Age frame	18-85
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	4 000
Completed study; more than 80% answered questions (I)	2 242
Partial study; 50%-80% answered questions (P)	8
Break-offs; fewer than 50% answered questions (R)	25
Refusals (R)	1 624
E-mail bounce backs or failed deliveries (NC)	101
Other (O)	0
Participation rate	
Participation rate (PR)	56%
Net participation rate (NPR)	58%
Devices among completes	
Computer device	32%
Mobile device	60%
Tablet device	8%

Table 14: Details on Study 6, Survey methodology: Up means good

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	11.48	11.00	0.50	2 275
Number of item responses	11.26	11.00	1.32	2 275
Item response rate	0.98	1.00	0.11	2 275
Minutes to answer, excluding outliers	2.96	2.76	1.17	2 091
Seconds per item, excluding outliers	13.25	12.25	5.16	2 091
Minutes to answer, including outliers	3.44	2.83	2.83	2 275
Seconds per item, including outliers	15.39	12.57	12.74	2 275
Seconds per item, speeders	4.23	4.70	1.15	38
Seconds per item, sleepers	48.86	39.12	30.55	146

Study 7: SOM Institute: Trust

Table 15: Study 7, SOM Institute: Trust

Sample	
Source	Probability: 16%
	Non-probability: 84%
Pre-stratification variables or other selection criteria	-
Age frame	16+
Sample disposition	
Total panelists invited (*I+P+R+NC+O*)	64 799
Completed study; more than 80% answered questions (*I*)	44 636
Partial study; 50%-80% answered questions (*P*)	310
Break-offs; fewer than 50% answered questions (*R*)	219
Refusals (*R*)	18 213
E-mail bounce backs or failed deliveries (*NC*)	1 420
Other (*O*)	1
Participation rate	
Participation rate (PR)	69%
Net participation rate (NPR)	70%
Devices among completes	
Computer device	36%
Mobile device	55%
Tablet device	9%

Table 16: Details on Study 7, SOM Institute: Trust

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	4.00	4.00	0.00	51 540
Number of item responses	3.48	4.00	1.33	51 540
Item response rate	0.99	1.00	0.07	45 165
Minutes to answer, excluding outliers	0.47	0.42	0.24	47 892
Seconds per item, excluding outliers	1.55	1.38	0.72	41 669
Minutes to answer, including outliers	0.66	0.44	5.59	51 364
Seconds per item, including outliers	2.19	1.44	18.27	45 032
Seconds per item, speeders	0.42	0.43	0.05	257
Seconds per item, sleepers	10.90	4.99	68.93	3 106

Study 8: SCP: Additional general questions

Table 17: Study 8, SCP: Additional general questions

Sample	
Source	Probability: 23%
	Non-probability: 77%
Pre-stratification variables or other selection criteria	-
Age frame	16+
Sample disposition	
Total panelists invited (*I+P+R+NC+O*)	77 410
Completed study; more than 80% answered questions (*I*)	51 169
Partial study; 50%-80% answered questions (*P*)	36
Break-offs; fewer than 50% answered questions (*R*)	335
Refusals (*R*)	23 639
E-mail bounce backs or failed deliveries (*NC*)	2 228
Other (*O*)	3
Participation rate	
Participation rate (PR)	66%
Net participation rate (NPR)	68%
Devices among completes	
Computer device	36%
Mobile device	55%
Tablet device	9%

Table 18: Details on Study 8, SCP: Additional general questions

	Mean	Median	Std. Dev.	N.
Number of received/applicable items	5.02	5.00	0.46	51 540
Number of item responses	4.99	5.00	0.61	51 540
Item response rate	0.99	1.00	0.08	51 540
Minutes to answer, excluding outliers	0.76	0.70	0.30	47 359
Seconds per item, excluding outliers	2.19	2.01	0.90	47 359
Minutes to answer, including outliers	0.89	0.71	2.41	51 236
Seconds per item, including outliers	2.58	2.05	7.29	51 236
Seconds per item, speeders	0.71	0.73	0.09	1 061
Seconds per item, sleepers	9.85	6.30	29.93	2 816

Summary, Citizen Panel 49

Table 19: Overall information, Citizen Panel 49

Sample	
Source	Probability: 27%
	Non-probability: 73%
Pre-stratification variables or other selection criteria	-
Age frame	16+
Sample disposition	
Total panelists invited ($I+P+R+NC+O$)	77 410
Completed questionnaires; more than 80% answered questions (I)	50 668
Partial questionnaires; 50%-80% answered questions (P)	747
Break-offs; fewer than 50% answered questions (R)	864
Refusals (R)	22 900
E-mail bounce backs or failed deliveries (NC)	2 228
Other (O)	3
Participation rate	
Participation rate (PR)	65%
Net participation rate (NPR)	67%
Devices among completes	
Computer device	36%
Mobile device	55%
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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