



Technical report

LORE Citizen

Panel 45 – 2022

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Introduction

The Citizen Panel

The Citizen Panel (Swedish: Medborgarpanelen – MP) is an online panel survey run by the Laboratory of Opinion Research (LORE), which is a part of the SOM-institute at the University of Gothenburg. Today, LORE is a research infrastructure for collecting data from online questionnaires, mainly for survey experiments and panel studies. An essential part of LORE is also to contribute to methodological development and testing in the area of web surveys. Each survey consists of a number of specific studies as well as a number of more general questions that are not included in a specific study. The design and content of these specific studies vary, but are mostly either survey experiments using random assignment or panel studies that span over several waves of the Citizen Panel.

Citizen Panel 45 (MP45)

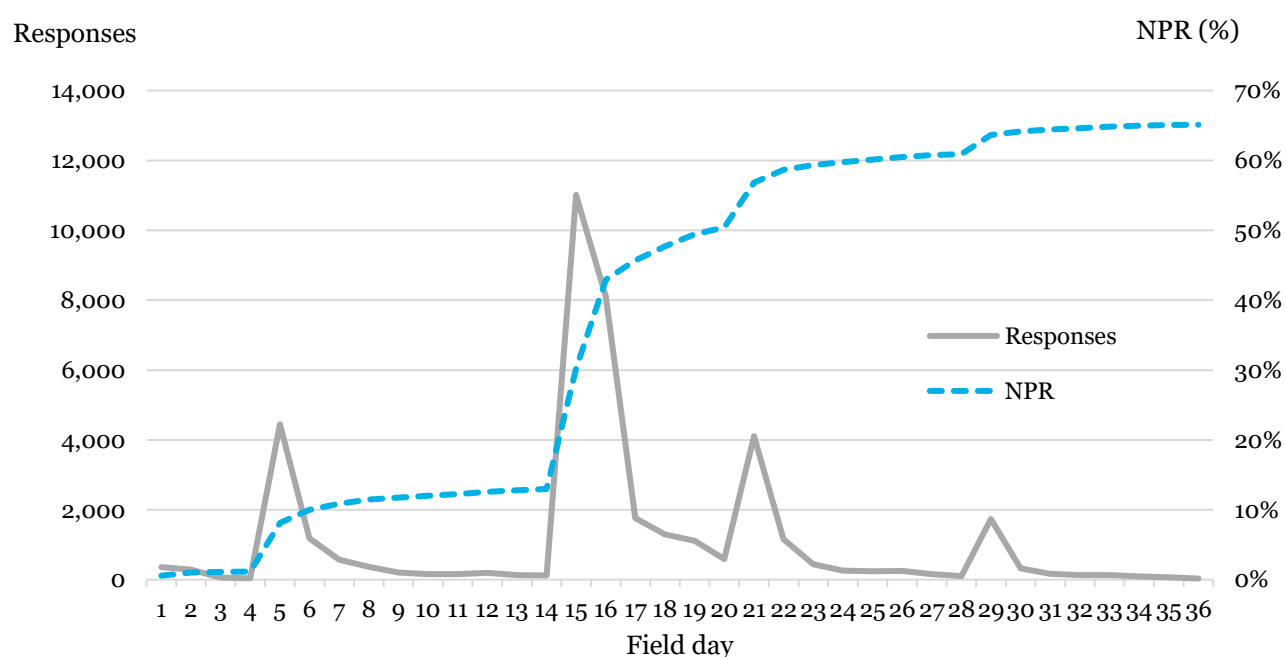
- The panel was carried out between Thursday February 24, 2022 and Thursday March 31, 2022.
- Questionnaires were sent to 68,094 panelists of which of which 42,224 started the survey, and 41,530 made a complete response (AAPOR RR5: 61%, Gross Participation Rate: 61%, Net Participation Rate: 66%).
- All in all, there were 4 studies included in Citizen Panel 45. In addition to participating in at least one of these studies, the median respondent was asked to answer 44 general questions.
- Respondents in the panel are recruited with both probability and non-probability based methods.

Fieldwork

Table 1: Field information

| | |
|-------------------|--|
| Name | Citizen Panel 45 (MP45) |
| No. of field days | 36 |
| Soft launch | Day 1: Thursday February 24, 20:00, 2022 |
| Main launch | Day 5: Monday February 28, 10:49, 2022 |
| New soft launch | Day 15: Thursday March 10, 19:00, 2022 |
| New main launch | Day 15: Thursday March 10, 19:21, 2022 |
| Reminder 1 | Day 21: Wednesday March 16, 12:00, 2022 |
| Reminder 2 | Day 29: Thursday March 24, 08:00, 2022 |
| Field end | Day 36: Thursday March 31, 16:03, 2022 |

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



Summary, Citizen Panel 45

Table 2: General information, Citizen Panel 45

| | |
|--|---|
| Sample type | Probability 24 % Non-probability: 76 % |
| Pre-stratification variables or other selection criteria | - |
| Age-frame | 17+ |
| Gross subsample size | 68,094 |
| Net subsample size | 63,772 |
| E-mail bounce backs or failed deliveries | 4,322 |
| Coverage rate/Absorption rate | 94% |
| All responses (complete, partials and break-offs) | 42,224 |
| Complete responses; more than 80% item response | 41,530 |
| Partial responses; 50%-80% item response | 249 |
| Break-offs; less than 50% item response | 445 |
| AAPOR RR5 | 61% |
| AAPOR RR6 / Gross Participation Rate (GPR) | 61% |
| Net Participation Rate (NPR) | 65% |
| Computer device | 39% |
| Mobile device | 53% |
| Tablet device | 8% |

Table 3: Detailed information, Citizen Panel 45

| | Mean | Median | Std. Dev. | N. |
|---|-------|--------|-----------|--------|
| Number of received/applicable items | 69.41 | 50.00 | 42.45 | 42,224 |
| Number of item responses | 68.01 | 50.00 | 42.25 | 42,224 |
| Item response rate | 0.98 | 1.00 | 0.10 | 42,224 |
| Item non-response rate | 0.02 | 0.00 | 0.10 | 42,224 |
| Minutes to answer, excluding outliers | 7.25 | 6.11 | 3.74 | 37,058 |
| Seconds per item, excluding outliers | 7.56 | 6.61 | 3.66 | 36,983 |
| Seconds per item including text-pages, excluding outliers | 7.56 | 6.61 | 3.66 | 36,983 |
| Minutes to answer, including outliers | 9.86 | 6.49 | 17.74 | 42,218 |
| Seconds per item, including outliers | 8.39 | 6.93 | 11.75 | 42,143 |
| Seconds per item including text-pages, including outliers | 8.39 | 6.93 | 11.75 | 42,143 |
| Seconds per item, speeders (time-use outliers) | 3.03 | 3.10 | 0.30 | 657 |
| Seconds per item, sleepers (time-use outliers) | 15.99 | 9.92 | 33.38 | 4,503 |

Featured studies

Table 4: Featured studies in Citizen Panel 45

| <i>Study:</i> | <i>Title:</i> | <i>Responsible researcher(s):</i> |
|---------------|---|-----------------------------------|
| Study 0 | General questions ¹ | LORE |
| Study 1 | Knowledge Resistance Panel, wave 3 | Jesper Strömbäck & Elina Lindgren |
| Study 2 | Trust in Sahlgrenska University Hospital | Sahlgrenska University Hospital |
| Study 3 | Political messages and affective polarization | Alexander Ryan |
| Study 4 | Additional general questions | LORE |

¹ General questions are variables not directly related to a specific study within the survey. Most of these are updated on a regular basis, often at least twice every year. Background variables like sex and education-level are included in this definition, treated as a sub-category.

Study 0: LORE - General questions

Table 5: General information on Study 0, General questions

| | |
|--|---|
| Sample type | Probability 24 % Non-probability: 76 % |
| Pre-stratification variables or other selection criteria | |
| Age-frame | 17+ |
| Gross sample size (GSS) | 68,094 |
| Net sample size (NSS) | 63,772 |
| E-mail bounce backs or failed deliveries | 4,322 |
| Coverage rate/Absorption rate | 94% |
| All responses (complete, partials and break-offs) | 42,245 |
| Complete responses; more than 80% item response | 41,371 |
| Partial responses; 50%-80% item response | 95 |
| Break-offs; less than 50% item response | 779 |
| AAPOR RR5 | 61% |
| AAPOR RR6 / Gross Participation Rate (GPR) | 61% |
| Net Participation Rate (NPR) | 65% |
| Computer device | 39% |
| Mobile device | 53% |
| Tablet device | 8% |

Table 6: Detailed information on Study 0, General questions

| | Mean | Median | Std. Dev. | N. |
|---|-------|--------|-----------|--------|
| Number of received/applicable items | 41.73 | 44.00 | 6.65 | 42,245 |
| Number of item responses | 40.52 | 44.00 | 8.54 | 42,245 |
| Item response rate | 0.97 | 1.00 | 0.13 | 42,245 |
| Item non-response rate | 0.03 | 0.00 | 0.13 | 42,245 |
| Minutes to answer, excluding outliers | 4.90 | 4.58 | 1.94 | 39,278 |
| Seconds per item, excluding outliers | 7.25 | 6.55 | 4.22 | 38,881 |
| Seconds per item including text-pages, excluding outliers | 7.25 | 6.55 | 4.22 | 38,881 |
| Minutes to answer, including outliers | 5.67 | 4.69 | 8.74 | 42,245 |
| Seconds per item, including outliers | 8.32 | 6.71 | 13.39 | 41,847 |
| Seconds per item including text-pages, including outliers | 8.32 | 6.71 | 13.39 | 41,847 |
| Seconds per item, speeders (time-use outliers) | 2.88 | 2.95 | 0.27 | 505 |
| Seconds per item, sleepers (time-use outliers) | 26.27 | 18.16 | 49.22 | 2,461 |

Study 1: Strömbäck and Lindgren - Knowledge Resistance Panel, wave 3

Table 7: General information on Study 1, Knowledge Resistance Panel, wave 3

| | |
|--|---|
| Sample type | Probability 47 % Non-probability: 53 % |
| Pre-stratification variables or other selection criteria | panelists (Knowledge Resistance Panel) |
| Age-frame | 21+ |
| Gross subsample size | 9,880 |
| Net subsample size | 9,213 |
| E-mail bounce backs or failed deliveries | 667 |
| Coverage rate/Absorption rate | 93% |
| All responses (complete, partials and break-offs) | 5,156 |
| Complete responses; more than 80% item response | 4,844 |
| Partial responses; 50%-80% item response | 107 |
| Break-offs; less than 50% item response | 205 |
| AAPOR RR5 | 49% |
| AAPOR RR6 / Gross Participation Rate (GPR) | 50% |
| Net Participation Rate (NPR) | 54% |
| Computer device | 39% |
| Mobile device | 54% |
| Tablet device | 7% |

Table 8: Detailed information on Study 1, Knowledge Resistance Panel, wave 3

| | Mean | Median | Std. Dev. | N. |
|---|--------|--------|-----------|-------|
| Number of received/applicable items | 148.97 | 149.00 | 0.44 | 5,156 |
| Number of item responses | 141.38 | 148.00 | 25.16 | 5,156 |
| Item response rate | 0.95 | 1.00 | 0.17 | 5,156 |
| Item non-response rate | 0.05 | 0.00 | 0.17 | 5,156 |
| Minutes to answer, excluding outliers | 19.02 | 18.26 | 6.77 | 4,749 |
| Seconds per item, excluding outliers | 7.81 | 7.36 | 2.57 | 4,720 |
| Seconds per item including text-pages, excluding outliers | 7.81 | 7.36 | 2.57 | 4,720 |
| Minutes to answer, including outliers | 20.59 | 18.35 | 21.98 | 5,139 |
| Seconds per item, including outliers | 8.45 | 7.43 | 8.75 | 5,110 |
| Seconds per item including text-pages, including outliers | 8.45 | 7.43 | 8.75 | 5,110 |
| Seconds per item, speeders (time-use outliers) | 3.23 | 3.31 | 0.48 | 156 |
| Seconds per item, sleepers (time-use outliers) | 24.85 | 18.32 | 35.33 | 234 |

Study 2: Sahlgrenska University Hospital – Trust in Sahlgrenska University Hospital

Table 9: General information on Study 2, Trust in Sahlgrenska University Hospital

| Sample type | Probability |
|--|---|
| Pre-stratification variables or other selection criteria | sex, edu, age, residents of Västra Götaland |
| Age-frame | 19-84 |
| Gross subsample size | 3,000 |
| Net subsample size | 2,814 |
| E-mail bounce backs or failed deliveries | 186 |
| Coverage rate/Absorption rate | 94% |
| All responses (complete, partials and break-offs) | 1,781 |
| Complete responses; more than 80% item response | 1,202 |
| Partial responses; 50%-80% item response | 499 |
| Break-offs; less than 50% item response | 80 |
| AAPOR RR5 | 40% |
| AAPOR RR6 / Gross Participation Rate (GPR) | 57% |
| Net Participation Rate (NPR) | 60% |
| Computer device | 42% |
| Mobile device | 50% |
| Tablet device | 8% |

Table 10: Detailed information on Study 2, Trust in Sahlgrenska University Hospital

| | Mean | Median | Std. Dev. | N. |
|---|--------|--------|-----------|-------|
| Number of received/applicable items | 148.97 | 149.00 | 0.44 | 5,156 |
| Number of item responses | 141.38 | 148.00 | 25.16 | 5,156 |
| Item response rate | 0.95 | 1.00 | 0.17 | 5,156 |
| Item non-response rate | 0.05 | 0.00 | 0.17 | 5,156 |
| Minutes to answer, excluding outliers | 19.02 | 18.26 | 6.77 | 4,749 |
| Seconds per item, excluding outliers | 7.81 | 7.36 | 2.57 | 4,720 |
| Seconds per item including text-pages, excluding outliers | 7.81 | 7.36 | 2.57 | 4,720 |
| Minutes to answer, including outliers | 20.59 | 18.35 | 21.98 | 5,139 |
| Seconds per item, including outliers | 8.45 | 7.43 | 8.75 | 5,110 |
| Seconds per item including text-pages, including outliers | 8.45 | 7.43 | 8.75 | 5,110 |
| Seconds per item, speeders (time-use outliers) | 3.23 | 3.31 | 0.48 | 156 |
| Seconds per item, sleepers (time-use outliers) | 24.85 | 18.32 | 35.33 | 234 |

Study 3: Ryan – Political messages and affective polarization

Table 11: General information on Study 3, Political messages and affective polarization

| Sample type | Probability |
|--|---------------|
| Pre-stratification variables or other selection criteria | sex, edu, age |
| Age-frame | 19-85 |
| Gross subsample size | 4,000 |
| Net subsample size | 3,789 |
| E-mail bounce backs or failed deliveries | 211 |
| Coverage rate/Absorption rate | 95% |
| All responses (complete, partials and break-offs) | 2,028 |
| Complete responses; more than 80% item response | 1,866 |
| Partial responses; 50%-80% item response | 75 |
| Break-offs; less than 50% item response | 87 |
| AAPOR RR5 | 47% |
| AAPOR RR6 / Gross Participation Rate (GPR) | 49% |
| Net Participation Rate (NPR) | 51% |
| Computer device | 40% |
| Mobile device | 53% |
| Tablet device | 7% |

Table 12: Detailed information on Study 3, Political messages and affective polarization

| | Mean | Median | Std. Dev. | N. |
|---|-------|--------|-----------|-------|
| Number of received/applicable items | 91.65 | 92.00 | 2.33 | 2,028 |
| Number of item responses | 86.85 | 92.00 | 15.81 | 2,028 |
| Item response rate | 0.95 | 1.00 | 0.17 | 2,028 |
| Item non-response rate | 0.05 | 0.00 | 0.17 | 2,028 |
| Minutes to answer, excluding outliers | 9.78 | 9.14 | 3.72 | 1,872 |
| Seconds per item, excluding outliers | 6.50 | 6.03 | 2.37 | 1,872 |
| Seconds per item including text-pages, excluding outliers | 6.50 | 6.03 | 2.37 | 1,872 |
| Minutes to answer, including outliers | 12.09 | 9.32 | 45.64 | 2,018 |
| Seconds per item, including outliers | 7.99 | 6.16 | 29.44 | 2,018 |
| Seconds per item including text-pages, including outliers | 7.99 | 6.16 | 29.44 | 2,018 |
| Seconds per item, speeders (time-use outliers) | 2.49 | 2.66 | 0.53 | 32 |
| Seconds per item, sleepers (time-use outliers) | 33.92 | 16.65 | 121.03 | 114 |

Study 4: LORE - Additional general questions

Table 13: General information on Study 4, Additional general questions

| | |
|--|---|
| Sample type | Probability 20 % Non-probability: 80 % |
| Pre-stratification variables or other selection criteria | - |
| Age-frame | 17+ |
| Gross subsample size | 58,214 |
| Net subsample size | 54,559 |
| E-mail bounce backs or failed deliveries | 3,655 |
| Coverage rate/Absorption rate | 94% |
| All responses (complete, partials and break-offs) | 36,812 |
| Complete responses; more than 80% item response | 36,627 |
| Partial responses; 50%-80% item response | 48 |
| Break-offs; less than 50% item response | 137 |
| AAPOR RR5 | 63% |
| AAPOR RR6 / Gross Participation Rate (GPR) | 63% |
| Net Participation Rate (NPR) | 67% |
| Computer device | 39% |
| Mobile device | 53% |
| Tablet device | 8% |

Table 14: Detailed information on Study 4, Additional general questions

| | Mean | Median | Std. Dev. | N. |
|---|-------|--------|-----------|--------|
| Number of received/applicable items | 6.07 | 6.00 | 0.36 | 36,813 |
| Number of item responses | 6.04 | 6.00 | 0.51 | 36,813 |
| Item response rate | 1.00 | 1.00 | 0.06 | 36,812 |
| Item non-response rate | 0.00 | 0.00 | 0.06 | 36,812 |
| Minutes to answer, excluding outliers | 0.87 | 0.80 | 0.35 | 33,939 |
| Seconds per item, excluding outliers | 2.57 | 2.36 | 1.03 | 33,938 |
| Seconds per item including text-pages, excluding outliers | 2.57 | 2.36 | 1.03 | 33,938 |
| Minutes to answer, including outliers | 1.09 | 0.82 | 5.71 | 36,740 |
| Seconds per item, including outliers | 3.23 | 2.42 | 17.10 | 36,739 |
| Seconds per item including text-pages, including outliers | 3.23 | 2.42 | 17.10 | 36,739 |
| Seconds per item, speeders (time-use outliers) | 0.90 | 0.93 | 0.12 | 506 |
| Seconds per item, sleepers (time-use outliers) | 13.48 | 7.49 | 67.48 | 2,295 |

Glossary

| | |
|--|--|
| <i>AAPOR participation rate (RR5):</i> | AAPOR Standard Definitions 2011 participation rate measure excluding partial responses (partials are defined as response with over 20 and less than 50 percent item nonresponse; calculation: $RR5 = (\text{responses} - \text{partials}) / \text{GSS}$). |
| <i>Background variables</i> | Includes questions related to demographic or basic socio-economic factors such as age, education, household etc. These are regularly updated. |
| <i>Break-offs</i> | Type of nonresponse. Defined as responses with more than 50 percent item nonresponse, used when calculating AAPOR RR5. |
| <i>Coverage rate/Absorption rate</i> | The quotient of net and gross sample size ($\text{coverage} = \text{NSS} / \text{GSS}$). Coverage and absorption rate are synonyms describing this relation. |
| <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 bounce backs</i> | Due to automatic spam filters and similar services, or incorrect e-mail addresses, certain e-mails may result in a bounce back, i.e. a non-contact. Includes booth “hard” and “soft” bounce backs. |
| <i>Field period</i> | The field period is the time passed between the first and the last field day. |
| <i>General variables (Study 0)</i> | General variables are the variables that are not related to a specific study within the survey. Most of these are repeated on a regular basis, often at least twice every year. Background variables are included in this definition, treated as a sub-category. |
| <i>Gross participation rate (GPR)</i> | The quotient of responses and gross sample size ($\text{GPR} = \text{responses} / \text{GSS}$). Does not exclude partials. Corresponds to AAPOR RR6 and COMR. |
| <i>Gross sample size (GSS)</i> | Gross sample size is the number of potential participants in the initial sample. |
| <i>Gross subsample size</i> | Gross subsample size is the number of potential participants assigned to a specific study in the initial sample. |
| <i>Item non-response rate</i> | Calculated by subtracting the item response rate from one (1-item response rate). |
| <i>Item response rate</i> | Calculated by dividing the number of item responses with the number of received/applicable items. |
| <i>Net participation rate (NPR)</i> | The quotient of responses and net sample size ($\text{NPR} = \text{responses} / \text{NSS}$). Does not exclude partials. |
| <i>Net sample size (NSS)</i> | Net sample size is the number of potential participants in the initial sample, excluding e-mail bounce backs ($\text{NSS} = \text{GSS} - \text{bounce backs}$). |
| <i>Net subsample size</i> | Net subsample size is the number of potential participants assigned to a specific study in the initial sample, excluding e-mail bounce backs within that subsample. |
| <i>Partial response</i> | Defined as responses with more than 20 and less than 50 percent item nonresponse (less than 80% of the questions answered), used when calculating AAPOR RR5. |
| <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>Responses</i> | The number of surveys completed by a participant 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. |
| <i>Text-pages</i> | Pages in the survey where no questions are asked, i.e. text-only. |
| <i>Time-use 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 ($Q1 - 0.5 \times \text{IQR}$). |
| <i>Time-use 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 ($Q3 + 1.5 \times \text{IQR}$). |

The Laboratory of Opinion Research (LORE) is an academic web survey center located at the SOM-institute at the University of Gothenburg. The objective of the Laboratory of Opinion Research 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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