



HONG KONG PUBLIC OPINION RESEARCH INSTITUTE
香港民意研究所

Hong Kong Public Opinion Research Institute

PopPanel Research Report No. 151

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Research Background

Hong Kong Public Opinion Research Institute (HKPORI) has established “PopPanel” in July 2019 to collect and analyze public opinion. “PopPanel” comprises the members of the “Hong Kong People Representative Panel” (i.e. the randomly recruited samples) and the “Hong Kong People Volunteer Panel”. After several rounds of redevelopment over the past four years, starting in 2023, HKPORI will continue to conduct panel surveys aperiodically, either self-initiated or in collaboration with other organizations, in order to promote open data and policy discussions, but the reports will no longer be released under sub-programs such as “We Hongkongers”, “Community Integration through Civility and Democracy” or “Community Health”.

This is Report No. 151 under “PopPanel Survey” Series. The theme of this survey is “Anti-epidemic Measures”.

HKPORI sent out emails to all panel members at the beginning of the survey, inviting them to fill in the questionnaire at the designated online platform. Members were allowed to make repeated submissions, but only the last submission of each individual member would be used for analysis in this report.

Contact Information

Herewith the contact information of the PopPanel Survey:

Table 1: Detailed Contact Information

Survey method	Online survey
Target population	PopPanel members, namely Hong Kong People Representative Panel (Probability-based Panel) and Hong Kong People Volunteer Panel (Non-probability-based Panel)
Weighting method	Rim-weighted according to 1) gender-age distribution, educational attainment (highest level attended) distribution and economic activity status distribution of Hong Kong population from Census and Statistics Department; 2) appraisal of political condition and political inclination distribution from regular tracking surveys.
Date of survey	30 December 2022, 3pm – 3 January 2023, 3pm
Total sample size	4,247
Response rate	5.2%
Sampling error ^[1]	Sampling error of percentages at +/-2% at 95% confidence level

[1] All error figures in this release are calculated at 95% confidence level. “95% confidence level” means that if we were to repeat a certain survey 100 times with different random samples, we would expect 95 times having the population parameter within the respective error margins calculated. Because of sampling errors, when quoting percentages, journalists should refrain from reporting decimal places, whereas one decimal place can be used when quoting rating figures.

PopPanel Composition

Regarding data collection, survey data from both the Hong Kong People Representative Panel and Hong Kong People Volunteer Panel were collected in the form of online questionnaire.

Among them, the Hong Kong People Representative Panel comes from members of the “PopPanel” recruited in regular random telephone surveys. HKPORI uses “PopPanel” as a framework for conducting surveys for different research projects, any eligible family member in the household may be invited to participate in a specific research.

Meanwhile, members of the Hong Kong People Volunteer Panel are recruited online. Citizens only need to self-register in HKPORI website to participate in online questionnaires.

All panel data collected will be adjusted using rim-weighting, to minimize the effects of self-selection bias or participation bias. Details are documented in the Weighting Procedure section.

Response Rate

HKPORI adopts a set of contact definition in compliance with most international standards. Historically, the social research community in Hong Kong has developed its own set of contact rates, cooperation rates, response rates, and so on. HKPORI normally reports the “success rate” for online surveys.

The calculation of the success rates in this study refers to the following tables.

Table 2: Calculation of success rate of the HKPOP Panel (by HKPORI definition)

Success rate		
=	$\frac{\text{Successful cases}}{\text{Panel size of the HKPOP Panel}}$	x 100.0%
=	$\frac{4,247}{82,164}$	x 100.0%
=	5.2%	

Weighting Procedure

HKPORI has continuously adopted and enhanced its weighting method over the past few decades. For this survey, HKPORI adopts a “2 by 5 by 2 by 4 by 5 by 4” weighting procedure involving six variables, namely, gender, age, educational attainment, economic activity status, appraisal of political condition and political inclination. Basically, the raw data of practically all random telephone surveys conducted by HKPORI are rim-weighted by the figures obtained from the Hong Kong Census and Statistics Department so that the marginal distribution of the sample in terms of gender, age, educational attainment and economic activity status would match with that of the general population figures from the Hong Kong Census and Statistics Department. The marginal distribution of the sample in terms of appraisal of political condition and political inclination would match that of the general population in HKPORI’s regular tracking surveys. This rim-weighting method (sometimes called raking) is found to be the most practicable method in processing HKPORI’s survey data.

Specifically, the gender and age groupings used for weighting are as follows:

- Male 12-29
- Male 30-39
- Male 40-49
- Male 50-59
- Male 60 or above
- Female 12-29
- Female 30-39
- Female 40-49
- Female 50-59
- Female 60 or above

The educational attainments used for weighting are as follows:

- Secondary or below
- Tertiary or above

The economic activity statuses used for weighting are as follows:

- Working population / Others
- Home-makers / Housewives
- Students
- Retired person

The appraisals of political condition used for weighting are as follows:

- Very satisfied
- Quite satisfied
- Half-half // Don’t know / hard to say // Refused to answer
- Quite dissatisfied
- Very dissatisfied

The political inclinations used for weighting are as follows:

- Pro-democracy camp
- Pro-establishment camp
- Localist
- Centrist // Other // No political inclination / politically neutral / do not belong to any camp // Don’t know / hard to say // Refused to answer

Quantitative Analysis Results

Quantitative analysis results of the PopPanel Survey, after applying the standard weighting procedures, are as follows, all questions listed hereby are opinion questions:

Table 3: Q1 Survey results by Political Inclination;

Survey period: 30/12/2022-3/1/2023

Q1 How reasonable or unreasonable do you find the government’s anti-epidemic policies in the past 6 months?	Pro-democracy camp supporters (Base=3,514)	Non-pro-democracy camp supporters ^[2] (Base=513)	Combined (Base=4,246)
Very reasonable	2%	15%	11%
Somewhat reasonable	9%	33%	25%
Half-half	15%	24%	22%
Somewhat unreasonable	17%	9%	11%
Very unreasonable	57%	17%	30%
Don’t know / hard to say	<1%	2%	2%
Mean^[3]	1.8	3.2	2.8

[2] Include: pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

[3] The mean value is calculated by quantifying all individual responses into 1, 2, 3, 4, 5 marks according to their degree of reasonableness, where 1 is the lowest and 5 the highest, and then calculate the sample mean.

Chart 1: Q1 Combined chart

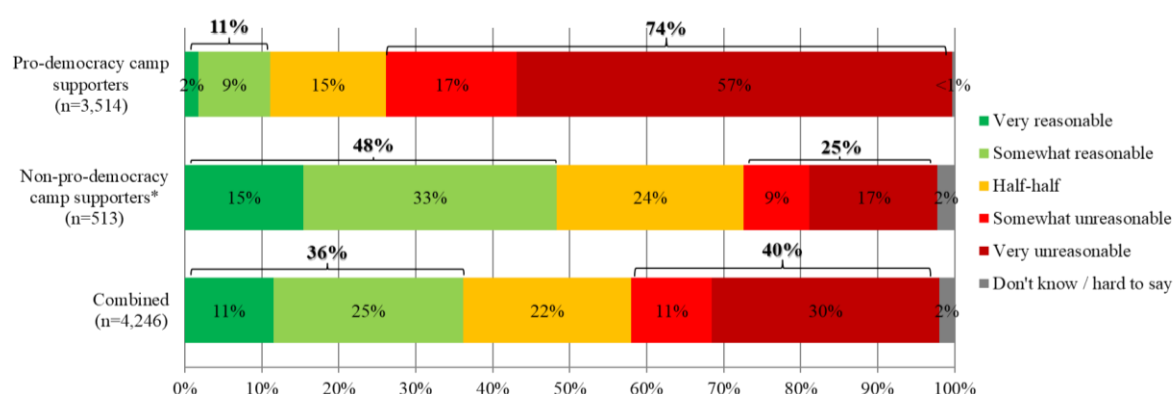


Table 4: Q2 Survey results by Political Inclination;

Survey period: 30/12/2022-3/1/2023

Q2 How much do you support or oppose the full resumption of normal traveller clearance between Hong Kong and Mainland China?	Pro-democracy camp supporters (Base=3,512)	Non-pro-democracy camp supporters ^[4] (Base=513)	Combined (Base=4,244)
Strongly support } Support	8% } 13%	35% } 59%	27% } 44%
Somewhat support }	4% }	23% }	14% }
Half-half			15%
Somewhat oppose } Oppose	22% } 77%	9% } 23%	14% } 40%
Strongly oppose }	55% }	14% }	26% }
Don't know / hard to say	<1%	1%	1%
Mean^[5]	1.9	3.6	3.0

[4] Include: pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

[5] The mean value is calculated by quantifying all individual responses into 1, 2, 3, 4, 5 marks according to their degree of support, where 1 is the lowest and 5 the highest, and then calculate the sample mean.

Chart 2: Q2 Combined chart

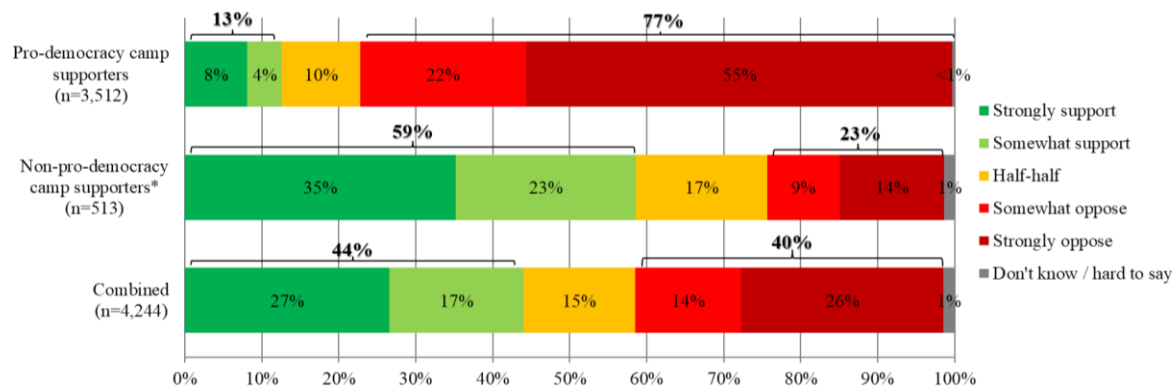


Table 5: Q3 Survey results by Political Inclination;

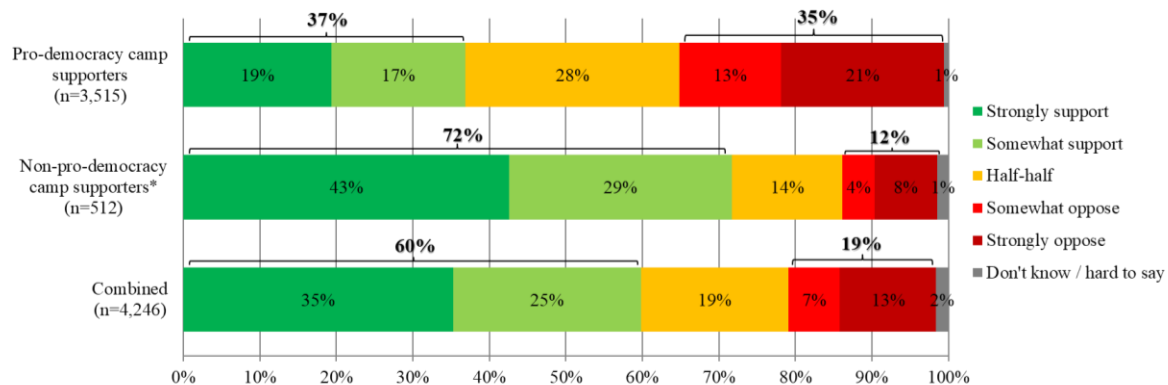
Survey period: 30/12/2022-3/1/2023

Q3 How much do you support or oppose to keeping the mask mandate?	Pro-democracy camp supporters (Base=3,515)	Non-pro-democracy camp supporters ^[6] (Base=512)	Combined (Base=4,246)
Strongly support } Support	19% } 37%	43% } 72%	35% } 60%
Somewhat support }	17% }	29% }	25% }
Half-half	28%	14%	16%
Somewhat oppose } Oppose	13% } 35%	4% } 12%	7% } 19%
Strongly oppose }	21% }	8% }	13% }
Don't know / hard to say	1%	1%	2%
Mean^[7]	3.0	4.0	3.6

[6] Include: pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

[7] The mean value is calculated by quantifying all individual responses into 1, 2, 3, 4, 5 marks according to their degree of support, where 1 is the lowest and 5 the highest, and then calculate the sample mean.

Chart 3: Q3 Combined chart



Appendices

Appendix 1: Demographic profile of respondents

Gender:	Pro-democracy camp supporters				Non-pro-democracy camp supporters #				Total			
	Raw sample		Weighted sample		Raw sample		Weighted sample		Raw sample		Weighted sample	
	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
Male	1,978	56.3%	279	27.3%	300	58.5%	1,563	54.9%	2,391	56.3%	2,000	47.1%
Female	1,527	43.5%	743	72.6%	209	40.7%	1,267	44.5%	1,841	43.4%	2,230	52.5%
Other	9	0.3%	1	0.1%	4	0.8%	16	0.6%	13	0.3%	17	0.4%
Total	3,514	100.0%	1,023	100.0%	513	100.0%	2,847	100.0%	4,245	100.0%	4,247	100.0%
Missing case(s)	1		<1		0		0		2		<1	

Age:	Pro-democracy camp supporters				Non-pro-democracy camp supporters #				Total			
	Raw sample		Weighted sample		Raw sample		Weighted sample		Raw sample		Weighted sample	
	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
12 - 29	468	13.3%	357	34.9%	28	5.5%	287	10.1%	537	12.7%	777	18.3%
30 - 39	870	24.8%	106	10.3%	98	19.1%	382	13.4%	1,035	24.4%	530	12.5%
40 - 49	834	23.7%	173	16.9%	120	23.4%	559	19.6%	1,002	23.6%	805	18.9%
50 - 59	781	22.2%	278	27.2%	124	24.2%	512	18.0%	939	22.1%	860	20.2%
60 or above	560	15.9%	109	10.7%	143	27.9%	1,107	38.9%	732	17.2%	1,275	30.0%
Total	3,513	100.0%	1,022	100.0%	513	100.0%	2,847	100.0%	4,245	100.0%	4,247	100.0%
Missing case(s)	2		<1		0		0		2		<1	

Including pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

Education attainment:	Pro-democracy camp supporters				Non-pro-democracy camp supporters #				Total			
	Raw sample		Weighted sample		Raw sample		Weighted sample		Raw sample		Weighted sample	
	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
Primary or below	10	0.3%	4	0.4%	3	0.6%	57	2.0%	13	0.3%	61	1.5%
Secondary	536	15.3%	419	41.0%	115	22.5%	992	34.9%	672	16.2%	1,519	36.7%
Tertiary or above	2,966	84.5%	599	58.5%	393	76.9%	1,797	63.1%	3,457	83.5%	2,562	61.8%
Total	3,512	100.0%	1,023	100.0%	511	100.0%	2,846	100.0%	4,142	100.0%	4,142	100.0%
Missing case(s)	3		<1		2		1		105		105	

Occupation:	Pro-democracy camp supporters				Non-pro-democracy camp supporters #				Total			
	Raw sample		Weighted sample		Raw sample		Weighted sample		Raw sample		Weighted sample	
	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
Administrators and professionals	1,349	38.5%	153	15.0%	178	34.8%	649	22.8%	1,559	37.7%	836	20.2%
Clerks and service workers	980	28.0%	350	34.3%	125	24.4%	803	28.2%	1,143	27.7%	1,265	30.6%
Workers	85	2.4%	12	1.2%	12	2.3%	50	1.8%	100	2.4%	65	1.6%
Students	125	3.6%	78	7.6%	10	2.0%	159	5.6%	142	3.4%	255	6.2%
Home-makers / housewives	137	3.9%	161	15.7%	24	4.7%	237	8.3%	167	4.0%	427	10.3%
Others	829	23.7%	268	26.2%	163	31.8%	948	33.3%	1,021	24.7%	1,284	31.1%
Total	3,505	100.0%	1,022	100.0%	512	100.0%	2,846	100.0%	4,132	100.0%	4,132	100.0%
Missing case(s)	10		<1		1		1		115		115	

Including pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

Political inclination:	Pro-democracy camp supporters				Non-pro-democracy camp supporters #				Total			
	Raw sample		Weighted sample		Raw sample		Weighted sample		Raw sample		Weighted sample	
	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%	Freq	%
Pro-democracy camp	2,043	58.1%	730	71.4%	0	0.0%	0	0.0%	2,043	49.3%	730	17.6%
Pro-establishment camp	0	0.0%	0	0.0%	37	7.2%	774	27.2%	37	0.9%	774	18.7%
Localist	1,472	41.9%	293	28.6%	0	0.0%	0	0.0%	1,472	35.5%	293	7.1%
Centrist	0	0.0%	0	0.0%	180	35.1%	653	22.9%	180	4.3%	653	15.8%
Others	0	0.0%	0	0.0%	0	0.0%	0	0.0%	45	1.1%	75	1.8%
No political inclination / politically neutral / don't belong to any camp	0	0.0%	0	0.0%	296	57.7%	1,420	49.9%	296	7.1%	1,420	34.3%
Don't know / hard to say	0	0.0%	0	0.0%	0	0.0%	0	0.0%	69	1.7%	194	4.7%
Total	3,515	100.0%	1,023	100.0%	513	100.0%	2,847	100.0%	4,142	100.0%	4,138	100.0%
Missing case(s)	0		0		0		0		105		109	

Including pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

Appendix 2: Contact Information

Total valid samples	4,247
Survey period	30/12/2022-3/1/2023
Success rate	5.2%
Questionnaires sent out	82,164
Questionnaires received	4,523
Ineligible samples	155
Invalid samples	0
Incomplete samples	121
Standard error	0.8%
Sampling error	1.5%

Appendix 3: Quantitative analyses

Q1 Survey results, by political inclination; Survey period: 30/12/2022-3/1/2023

Q1 How reasonable or unreasonable do you find the government's anti-epidemic policies in the past 6 months?	Pro-democracy camp supporters	Non-pro-democracy camp supporters #	Total
	Percentages (Base=3,514)	Percentages (Base=513)	Percentages (Base=4,246)
Very reasonable	1.7%	15.4%	11.5%
} Reasonable	11.0%	48.3%	36.2%
Somewhat reasonable	9.3%	32.9%	24.7%
Half-half	15.1%	24.3%	21.8%
Somewhat unreasonable	16.9%	8.5%	10.5%
} Unreasonable	73.5%	25.2%	40.0%
Very unreasonable	56.6%	16.6%	29.5%
Don't know/ hard to say	0.3%	2.2%	2.0%
Total	100.0%	100.0%	100.0%
<i>Refuse to answer</i>	<i>1</i>	<i>0</i>	<i>1</i>
Net value (Reasonable- Unreasonable)	-62.5%	+23.1%	-3.9%

Including pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

Q2 Survey results, by political inclination; Survey period: 30/12/2022-3/1/2023

Q2 How much do you support or oppose the full resumption of normal traveller clearance between Hong Kong and Mainland China?	Pro-democracy camp supporters	Non-pro-democracy camp supporters #	Total
	Percentages (Base=3,512)	Percentages (Base=513)	Percentages (Base=4,244)
Strongly support	8.1%	35.2%	26.6%
Somewhat support	4.4%	23.4%	17.3%
Half-half	10.2%	17.1%	14.6%
Somewhat oppose	21.6%	9.4%	13.7%
Strongly oppose	55.3%	13.6%	26.3%
Don't know / hard to say	0.3%	1.4%	1.5%
Total	100.0%	100.0%	100.0%
<i>Refuse to answer</i>	3	0	3
Net value (Support- Oppose)	-64.3%	+35.6%	+3.9%

Including pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

Q3 Survey results, by political inclination; Survey period: 30/12/2022-3/1/2023

Q3 How much do you support or oppose to keeping the mask mandate?	Pro-democracy camp supporters	Non-pro-democracy camp supporters #	Total
	Percentages (Base=3,515)	Percentages (Base=512)	Percentages (Base=4,246)
Strongly support	19.4%	42.5%	35.3%
Somewhat support	17.5%	29.1%	24.6%
Half-half	28.0%	14.5%	19.2%
Somewhat oppose	13.3%	4.2%	6.7%
Strongly oppose	21.3%	8.2%	12.5%
Don't know / hard to say	0.6%	1.5%	1.7%
Total	100.0%	100.0%	100.0%
Refuse to answer	0	1	1
Net value (Support- Oppose)	+2.3%	+59.3%	+40.6%

Including pro-establishment camp supporters, centrist supporters, no political inclination / politically neutral / do not belong to any camp

Appendix 4: Survey questionnaire (30/12/2022-3/1/2022)

We Hongkongers & Community Health Survey

Hong Kong Public Opinion Research Institute is politically neutral. We welcome different opinions. All personal data will be kept strictly confidential. You can fill in the questionnaire again to express your latest views. When we need to work on the data, your last submission will be used. For enquiries, please email us at panel@pori.hk.

***Required**

Eligibility Confirmation

Are you a Hong Kong resident aged 12 or above (i.e., currently residing in Hong Kong)? *

- Yes
- No

We Hongkongers Series

How reasonable or unreasonable do you find the government's anti-epidemic policies in the past 6 months?

- Very reasonable
- Somewhat reasonable
- Half-half
- Somewhat unreasonable
- Very unreasonable
- Don't know / hard to say

How much do you support or oppose the full resumption of normal traveller clearance between Hong Kong and Mainland China?

- Strongly support
- Somewhat support
- Half-half
- Somewhat oppose
- Strongly oppose
- Don't know / hard to say

How much do you support or oppose to keeping the mask mandate?

- Strongly support
- Somewhat support

- Half-half
- Somewhat oppose
- Strongly oppose
- Don't know / hard to say

Community Health

Have you ever contracted COVID-19?

- Yes
- No / don't know

How likely do you think it is that you will contract or re-contract COVID-19 over the next one month?

(Please select the closest answer)

- | | | |
|--|----------------------------------|--|
| <input type="radio"/> 0% chance (Certainly not) | <input type="radio"/> 20% chance | <input type="radio"/> 70% chance |
| <input type="radio"/> 0.001% chance (1 in 100,000) | <input type="radio"/> 25% chance | <input type="radio"/> 80% chance |
| <input type="radio"/> 0.01% chance (1 in 10,000) | <input type="radio"/> 30% chance | <input type="radio"/> 90% chance |
| <input type="radio"/> 0.1% chance (1 in 1,000) | <input type="radio"/> 35% chance | <input type="radio"/> 100% chance (Certainly will) |
| <input type="radio"/> 1% chance (1 in 100) | <input type="radio"/> 40% chance | <input type="radio"/> _____ % chance |
| <input type="radio"/> 5% chance (1 in 20) | <input type="radio"/> 45% chance | <input type="radio"/> Don't know / hard to say |
| <input type="radio"/> 10% chance (1 in 10) | <input type="radio"/> 50% chance | |
| <input type="radio"/> 15% chance | <input type="radio"/> 60% chance | |

How satisfied or dissatisfied are you with the government's performance in handling COVID-19?

- Very much satisfied
- Somewhat satisfied
- Half-half
- Somewhat dissatisfied
- Very much dissatisfied
- Don't know / hard to say

Other Opinions

Generally speaking, how satisfied or dissatisfied are you with the current in Hong Kong?

(Randomise the three conditions)

	Very much satisfied	Somewhat satisfied	Half-half	Somewhat dissatisfied	Very much dissatisfied	Don't know / hard to say
Political condition						
Economic condition						

	Very much satisfied	Somewhat satisfied	Half-half	Somewhat dissatisfied	Very much dissatisfied	Don't know / hard to say
Livelihood condition						

In the 2021 Legislative Council Election, did you vote, was a registered voter but did not vote, or not a registered voter?

(The “2021 Legislative Council Election” is the one that formed the current Legislative Council)

- Voted
- Was a registered voter, but did not vote
- Not a registered voter
- Don't remember / don't know / hard to say

Personal Information

This section is about personal information. If you have already provided relevant information in this survey series and have nothing to add or update, you may skip these questions. We will use the past data you provided in this survey series for analysis.

- I have already provided my personal information, and has nothing to add or update ([skip questions on personal information](#))
- Provide / update personal information now

Gender

- Male
- Female
- Other

Age

- _____ years old
- 12 - 14
- 15 - 17
- 18 - 19
- 20 - 24
- 25 - 29
- 30 - 34
- 35 - 39
- 40 - 44
- 45 - 49
- 50 - 54
- 55 - 59
- 60 - 64
- 65 - 69
- 70 or above

Educational attainment

(The highest level attended, regardless of whether you have completed the course, including what you are attending)

- Primary or below
- Lower secondary (Secondary 1 to 3)
- Upper secondary (Secondary 4 to 7 / DSE / Yi Jin)
- Tertiary: non-degree course (including diploma / certificate / sub-degree course)
- Tertiary: bachelor degree course
- Tertiary: postgraduate school or above

Occupation

(Owner / self-employed / freelance / part time / civil servant are not valid answers, please answer according to the job nature or content)

- Administrator and professional
- Clerical and service worker
- Production worker
- Student
- Home-maker / housewife
- Retired person
- Unemployed / between jobs / other non-employed
- Other: _____

Which of the following best describes your political inclination?

(Randomise the four camps)

- Localist
- Pro-democracy camp
- Centrist
- Pro-establishment camp
- Other: _____
- No political inclination / politically neutral / do not belong to any camp
- Don't know / hard to say

End of Questionnaire

Thank you for completing the survey. For enquiries, please email us at panel@pori.hk.