

**Supplementary Figure 1:** Flow diagram showing the cluster sampling approach and participants' selection.

## Questionnaires about the recognition of gastric cancer screening and acceptance of gastroscopy

You are invited to participate in a nationwide study on the acceptance of gastroscopy for gastric cancer screening in China by filling in questionnaires.

If you join in this study, information that identifies you will not be involved in the analysis of the data, the publication of the research, or any public release. All questionnaires will be managed by the data committee of this research group and will not be leaked.

If you decide not to participate, it will not affect your social relationships.

If there is anything you do not understand or if you want more information about this study, please feel free to ask the investigator.

1. What is your gender? *
∘Male
∘Female
2. What is your age?
3. Which city do you live?
4. What is your education level? *
○Uneducated or elementary
∘High school
○College or above
5. What is the range of your annual family
○Below ¥20,000
○¥20,000-¥50,000
○¥50,000-¥100,000
○¥100,000-¥200,000
⊙More than ¥200,000

6. For the following events, please choose a score according to your sense of the extent of **familiarity**. From 1 to 7, present form "Not at all" to "Very much." "Familiarity" is defined as knowing the definition, process, and value of the event.\*

	1 (Not at all)	2	3	4	5	6	7 (Very much)
1							
Mobile phone	0	0	0	0	0	0	0
Heart surgery	0	0	0	0	0	0	0
Gastroscop y	0	0	0	0	0	0	0
Colonosco py	0	0	0	0	0	0	0
2							
Fecal occult blood test or DNA test	0	0	0	0	0	0	0
Serum gastric function	0	0	0	0	0	0	0
Tumor markers	0	0	0	0	0	0	0
Capsule endoscopy	0	0	0	0	0	0	0
3							
Helicobacte r pylori test	0	0	0	0	0	0	0
Conflagrati on	0	0	0	0	0	0	0

Physical examinatio	0	0	0	0	0	0	0
Gastric carcinoma	0	0	0	0	0	0	0
Colorectal cancer	0	0	0	0	0	0	0
Public health emergency (as COVID- 19 epidemic)	Ο	Ο	Ο	Ο	0	Ο	0

7. For the following events, please choose a score according to your first feeling about the extent of **fear**. From 1 to 7 present form "Not at all" to "Very much". "Fear" is defined as the belief that something is dangerous or a threat. \*

	1 (Not at all)	2	3	4	5	6	7 (Very much)
1							
Mobile phone	0	0	0	0	0	0	0
Heart surgery	0	0	0	0	0	0	0
Gastroscop y	0	0	0	0	0	0	0
Colonosco	0	0	0	0	O	O	0
2							
Fecal occult blood test	0	Ο	0	0	0	0	0

or DNA test							
Serum gastric function	0	0	0	0	0	0	0
Tumor markers	0	0	0	0	0	0	0
Capsule endoscopy	0	0	0	0	0	0	0
3							
Helicobacte r pylori test	0	0	0	0	0	0	0
Conflagrati on	0	0	0	0	0	0	0
Physical examinatio	0	0	0	0	0	0	0
Gastric carcinoma	0	0	0	0	0	0	0
Colorectal cancer	0	0	0	0	0	0	0
Public health emergency (as COVID- 19 epidemic)	0	0	Ο	0	0	0	0

8. For the following events, please choose a score according to your first feeling about the extent of **benefit**. From 1 to 7 present form "Not at all" to "Very much". "Benefit" is defined as something or a condition brings advantages or profit.\*

	1 (Not at all)	2	3	4	5	6	7 (Very much)	
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1							
Mobile phone	0	0	0	0	0	0	0
Heart surgery	0	0	0	0	0	0	0
Gastroscop y	0	0	0	0	0	0	0
Colonosco py	0	0	0	0	0	0	0
2							
Fecal occult blood test or DNA test	0	0	0	0	0	0	0
Serum gastric function	0	0	0	0	0	0	0
Tumor markers	0	0	0	0	0	0	0
Capsule endoscopy	0	0	0	0	0	0	0
3							
Helicobacte r pylori test	0	0	0	0	0	0	0
Conflagrati on	0	0	0	0	0	0	0
Physical examinatio	0	0	0	0	0	0	0
Gastric	0	0	0	0	0	0	0

carcinoma							
Colorectal cancer	0	0	0	0	0	0	0
Public health emergency (as COVID-19 epidemic).	Ο	0	Ο	Ο	Ο	Ο	0

9. For the following events, please choose a score according to your first feeling about the extent of **risk**. From 1 to 7 present form "Not at all" to "Very much". "Risk" is defined as the possibility that something unpleasant or dangerous will happen.\*

	1 (Not at all)	2	3	4	5	6	7 (Very much)
1							
Mobile phone	0	0	0	0	0	0	0
Heart surgery	0	0	0	0	0	0	0
Gastroscop y	0	0	0	0	0	0	0
Colonosco	0	0	0	0	0	0	0
2							
Fecal occult blood test or DNA test	0	0	0	0	0	0	0
Serum gastric function	0	0	0	0	0	0	0

Tumor markers	0	0	0	0	0	0	0
Capsule endoscopy	0	0	0	0	0	0	0
3							
Helicobacte r pylori test	0	0	0	0	0	0	0
Conflagrati on	0	0	0	0	0	0	0
Physical examinatio	0	0	0	0	0	0	0
Gastric carcinoma	0	0	O	0	0	0	0
Colorectal cancer	0	0	0	0	0	0	0
Public health emergency (as COVID-19 epidemic).	0	0	0	0	0	0	0

10. Are you familiar with "early gastrointestinal cancer screening" \*

$\circ$ N $\circ$	ot	at	al
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oA little impression

 $\circ \textbf{Commonly}$ 

oMore than common

∘Very much

11. Will you accept gastroscopy if doctors inform the need? *
∘Yes
∘No
12. Do you have these worries about gastroscopy? (choose 1-7 answers) *
□Fear of pain or uncomfortable
□Psychological burden (fear of medicine, such as possible bad results or families' worries)
□I know I am healthy while the doctor worried too much
□It is troublesome going to the hospital
□Do not know how to do or the reason to do gastroscopy
□High expense of gastroscopy
□Reveal privacy
□I do not have any worries listed above
13. Do you have these situations? *
□Age is older than 40 years
□Helicobacter pylori infection
□Used to have Precancerous lesions of the stomach, such as chronic atrophic gastritis, gastric ulcer, gastric polyps, residual stomach post operation, hypertrophic gastritis, or pernicious anemia
□One of my parents, children, brothers or sisters had gastric cancer
□Risk behaviors of gastric cancer, like high salt diet, smoking or heavy drinking.
□I do not have any situations listed above