Table S1. Questionnaire structure and content

Dear Sir/madam,

Greetings! Currently, we are conducting research on local comprehensive human well-being, specifically focusing on subjective well-being, which encompasses key dimensions including basic materials, health, security, social relations, and freedom. Your valuable input through completing this questionnaire will significantly contribute to our understanding of the factors influencing well-being. The survey is conducted anonymously, and your information will be kept confidential. We sincerely appreciate your participation, as it plays a crucial role in advancing our research. Thank you!

Standardized protocols were followed to handle specific situations:

(1) If a respondent refused to answer a particular question, the enumerator would politely acknowledge their choice, mark the item as "refused" on the questionnaire, and proceed to the next question;

(2) If a respondent expressed uncertainty about an answer (e.g., "I don't know" or "I'm not sure"), the enumerator should re-read the question and the response options without prompting any specific answer. If the uncertainty persisted, the item was recorded as "uncertain" to preserve data integrity. No coercion or leading was permitted.

Part I. The socio-economic characteristics of respondents	
residential area	☐ Urban ☐ Urban fringe ☐ Township ☐ Rural
Gender	☐ Female ☐ Male
Age	☐ <20 ☐ 20–39 ☐ 40–59 ☐ ≧60
Level of education	☐ uneducated ☐ primary school ☐ junior high school ☐ senior high school ☐ College degree and above
Family members	☐ ≦2 persons ☐ 3 persons ☐ 4 persons ☐ 5 persons ☐ ≧6 persons
Occupation	☐ Civil servant ☐ Company employee ☐ Self-employed ☐ Farmer ☐ Retired ☐ The rest
Family' annual income (10 thousand RMB)	☐ <1 ☐ 1–3 ☐ 3–9 ☐ 9–15 ☐ 15–20 ☐ 20–30 ☐ ≧30
Part II. Satisfaction degrees of various human well-being	

Basic Materials	A1. Are you satisfied with the overall family income? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied A2. Are you satisfied with local drinking water quality? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied A3. On the whole, are you satisfied with your housing condition? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied A4. Are you satisfied with your electrical facilities? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied A5. Are you satisfied with your communication quality? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied
Health	B1. Would you say you and your households' physical health are …? 1. Very poor 2. Poor 3. Acceptable 4. Good 5. Very good B2. Are you satisfied with local air quality? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied B3. Are you satisfied with local water environment quality? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied B4. Are you satisfied with the medical conditions? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied
Security	C1. Are you satisfied with the local public service? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied C2. Are you satisfied with the livelihood security? 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied C3. Do you worry about the food security? 1. Very worry 2. Often worry 3. Sometimes worry 4. Rarely worry 5. Never worry C4. Do you worry about the environmental security? 1. Very worry 2. Often worry 3. Sometimes worry 4. Rarely worry 5. Never worry
Social Relations	D1. Do you think the relations in your family is harmonious and happy? 1. Strongly disagree 2. Disagree 3. Neutral 4. Agree 5. Strongly agree D2. Do you think neighbors are close and respect each other? 1. Strongly disagree 2. Disagree 3. Neutral 4. Agree 5. Strongly agree
Freedom	E1. You have affordable access to consume for an enjoyable life. 1. Strongly disagree 2. Disagree 3. Neutral 4. Agree 5. Strongly agree E2. You and your children have enough access to education. 1. Strongly disagree 2. Disagree 3. Neutral 4. Agree 5. Strongly agree E3. You have easily found a satisfactory job. 1. Strongly disagree 2. Disagree 3. Neutral 4. Agree 5. Strongly agree
Part III. Overall satisfaction of human well-being	
The overall satisfaction with the family financial situation. 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied	
The overall satisfaction with local environment. 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied	

The overall satisfaction with the current situation of family life. 1. Very dissatisfied 2. Dissatisfied 3. Neutral 4. Satisfied 5. Very satisfied
If you have any suggestion, please write in here. This is the end of our questionnaire, many thanks for your support. _____