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Chinese Longitudinal Healthy Longevity Survey (CLHLS), 1998-2012

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1998-1999 Data Collection Instrument

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Questionnaire on Determinants of Healthy Longevity in China, 1998

Province	☐☐
County or city	☐☐
Pre-assigned basic code	☐☐☐
Category of sampled elder:	☐
(A) centenarians (B) nonagenarians (C) octogenarians	
Is the interviewee the originally sampled elder or the first, second, third … sibling aged 80+ of the originally sampled elder with above basic code?	☐
0 originally sampled elder 1 1st sibling 2 2nd sibling 3 3rd sibling 4 4th sibling	
If this interviewee is the sibling of an originally sampled elder, what is the relationship to the originally sampled elder?	☐
1 sibling 2 half sibling 3 adopted sibling 4 other, please specify:_____	

Interviewee's name: _____ Tel.:_____

Address: _____

detailed village or street address (including street, apartment # etc.)

_____ _____ _____ _____

postal code district or township county or city province

Interview Record

Date and time of interview				Reasons for not finishing questionnaire			
month	day	beginning time	ending time	1 the interviewee refused to be interviewed	2 the interviewee has died	3 the interviewee has emigrated	4 other

Signature

Interviewer: _____ Date: ____ day ____ month _____ year

Doctor: _____ Date: ____ day ____ month _____ year

Supervisor: _____ Date: ____ day ____ month _____ year

Guarantee for interviewee

All information collected in this survey will be treated as strictly confidential. The record of your name and address here will be used only in future follow-up health observation/examination surveys. We guarantee that nobody will be allowed to have access to information from this questionnaire except qualified researchers. The computerized data resulting from this survey will not include your name and address. The primary purpose of this survey is scientific research, but, if you so desire, the doctor or nurse who examines you will give you information and advice about your health based on your responses.

General Instructions to interviewer

1. *All questions marked with a '*' must be answered if possible. The answers must come from the interviewees themselves, i.e. these questions may not be answered by other people. If the interviewee is not able to answer a question, please circle 'not able to answer'. In addition, interviewers should encourage the elders to attempt to answer as many of the other questions (those without a '*') as possible.*
2. *If some of the questions without a '*' cannot be answered by the elders themselves, interviewers should ask their closest relative(s) or caregiver(s) to answer them. (The box ○ in the third column is to be checked whenever the question is not answered by the interviewee.) If no one can answer the question, please explain why in the margin.*
3. *Detailed instructions (including illustrations of definitions, how to measure, examples etc.) will be prepared in the Chinese language, and will be easy to read and implement. All of the questions will be in easily understood Chinese.*

A. Basic Information

		Code
A1 Sex：	1 male 2 female	☐
A2 Ethnic group：	_____	☐☐
A3.1 Animal year of interviewee's birth	1 rat 2 ox 3 tiger 4 rabbit 5 dragon 6 snake 7 horse 8 sheep 9 monkey 10 rooster 11 dog 12 boar	☐☐
A3.2 Date of birth:		
(a) western calendar	year_____ month____	☐☐☐☐☐☐
(b) Chinese calendar	year_____ month____	☐☐☐☐☐☐
A4.1 Place of birth	province _____ county or city _____	☐☐ ☐☐
A4.2 Was the place of birth an urban area or a rural area (at time of birth)?	1 urban 2 rural	☐
A5.1 Co-residence	1 with household member(s) 2 alone 3 in a nursing home	☐
A5.2 How many people are living with you?	_____ person(s)	☐☐

A5.3 Who are they?

(Use back of paper for additional people if necessary.)

Note:
If ages are unknown, please fill in '999'.

Relationship with interviewee:
0 spouse
1 child
2 spouse of child
3 grandchild
4 spouse of grandchild
5 great grandchild or spouse of great grandchild
6 sibling
7 parent or parent-in-law
8 other _____

relationship with interviewee	name	sex	age		relation-ship	age	sex
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐
					☐	☐☐☐	☐

A5.4 If living alone or in nursing home, since when?	year_____ month _____	☐☐☐☐☐☐

B. Life Evaluation and Personality (to be answered only by interviewee)			Code
* B1.1 How do you rate your life at present?	1 very good 2 good 3 so-so 4 bad 5 very bad 8 not able to answer		☐
* B1.2 How do you rate your health at present?	1 very good 2 good 3 so-so 4 bad 5 very bad 8 not able to answer		☐

People have their own disposition. Here are some statements of people's descriptions of their disposition. How similar are you to these people? You may have different degrees of similarity to these people. We have five degrees: very similar, similar, so-so, not similar, not similar at all. For example, if someone says, 'I am always happy,' you should choose 'very similar' if you feel exactly the same as that person; You should choose 'similar' if you feel almost the same as that person; You should choose 'so-so' if you sometimes feel like that person, and sometimes not; you should choose 'not similar' if you are not the same as that person; You should say 'not similar at all' if you are very different from that person. Now I will list these people one by one, please tell me the degree of your similarity to each of them.

* B2.1 I always look on the bright side of things.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐
* B2.2 I like to keep my belongings neat and clean.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐
* B2.3 I often feel fearful or anxious.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐
* B2.4 I often feel lonely and isolated.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐
* B2.5 I can make my own decisions concerning my personal affairs.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐
* B2.6 The older I get, the more useless I feel.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐
* B2.7 I am as happy now as when I was younger.	1 very similar 2 similar 3 so-so 4 not similar 5 not similar at all 8 not able to answer		☐

C1 ORIENTATION (to be answered only by interviewee)			
* C1.1 What time of day is it right now (morning, afternoon, evening)?	1 correct 0 wrong 8 not able to answer		☐
* C1.2 What is the animal year of this year?	1 correct 0 wrong 8 not able to answer		☐
* C1.3 What is the date (day and month) of the mid-autumn festival?	1 correct 0 wrong 8 not able to answer		☐
* C1.4 What is the season right now?	1 correct 0 wrong 8 not able to answer		☐
* C1.5 What is the name of this county or district?	1 correct 0 wrong 8 not able to answer		☐
* C1.6 Please name as many kinds of food as possible in 1 minute.	_____ (kinds of food)		☐☐
C2 REGISTRATION (to be answered only by interviewee)			
* C2.1 I am now going to test your memory. I will mention three objects. (*Mention the following three objects without making a pause:)* table, apple, clothes Please repeat these three objects. *(Evaluation based on first attempt only)* table apple clothes	1 correct 0 wrong 8 not able to answer _____ _____ _____		☐ ☐ ☐
*C2.2 *If answers are insufficient or incorrect on first attempt, repeat the names of all objects until the interviewee is able to name all three of them (6 attempts at maximum). Write the number of attempts (e.g. '1', if all three objects are repeated correctly on first attempt). Write '7' if interviewee cannot repeat the names even after 6 attempts.*	_____attempts		☐
C3 ATTENTION AND CALCULATION (to be answered only by interviewee)			
* C3.1 I will ask you to spend 3 dollars from 20 dollars, then you must spend 3 dollars from the number you arrived at and continue to spend 3 dollars until you are asked to stop.			

(Circle '1' each time the difference is 3 – even if a former answer was wrong. If the interviewee forgets the last number, the interviewer should repeat it, but then circle '0' even if the answer was correct. Maximum score = 5 correct answers.)	1st 1 correct 0 wrong 8 not able to answer 2nd 1 correct 0 wrong 8 not able to answer 3rd 1 correct 0 wrong 8 not able to answer 4th 1 correct 0 wrong 8 not able to answer 5th 1 correct 0 wrong 8 not able to answer		☐ ☐ ☐ ☐ ☐
* C3.2 Ask the interviewee to draw the figure on Card B. *(Circle '1' if all the sides and angles are correct and if the figure in the middle is a quadrangle. Otherwise, circle '0'.)*	1 correct 0 wrong 8 not able to do this		☐
C4 RECALL (to be answered only by interviewee)			
* C4.1 Please repeat the three words (in any order) that I asked you to repeat a little while ago. *(Note the correct or the wrong answers as the scores.)* table apple clothes	1 correct 0 wrong 8 not able to do this _____ _____ _____		☐ ☐ ☐
C5 LANGUAGE (to be answered only by interviewee)			
* C5.1 *Give the interviewee a pen and then a watch and ask what these objects are called (1 point for each correct answer).* pen watch	1 correct 0 wrong 8 not able to answer _____ _____		☐ ☐
* C5.2 I will now ask you to repeat the following sentence: 'There are plants in front of the house and in back of the house.' *(Circle '1' only if repeated correctly on the first attempt.)*	1 correct 0 wrong 8 not able to answer		☐

* C5.3 I will give you a piece of paper. You must take the paper using your right hand, fold it in the middle using both hands, and place the paper on the floor. *(Read the text aloud and hand a piece of paper to the interviewee. Give the paper directly to the interviewee. Do not repeat the instructions and do not offer any help. Note every movement as correct if it is made in the correct order.)*	1 correct 0 wrong 8 not able to do		
right hand	_____		☐
folding	_____		☐
on the floor	_____		☐
Was the interviewee able to answer the questions in sections B and C?	1 yes 2 no 3 partly		☐
If 'no' or 'partly', what is the main reason?	1 visually impaired, but can hear 2 hearing impaired, but can see 3 visually and hearing impaired 4 paralyzed 5 did not wish to participate 6 could not understand because of cognitive impairment 7 not able to participate at the moment because of some temporary illness such as a cold 8 other (please explain): _____		☐

D. LIFE STYLE			
D1 Please tell us the main food you eat.	1 rice 2 corn (maize) 3 wheat (noodles and bread etc.) 4 other:_____	○	☐
D2 How much of the above food do you normally eat per day?	_____ *liang*	○	☐☐
D3.1 Do you eat fresh fruit?	1 almost everyday year round 2 almost everyday except in winter 3 occasionally 4 rarely or never	○	☐

D3.2 Do you eat fresh vegetables?		1 almost everyday year round 2 almost everyday except in winter 3 occasionally 4 rarely or never			○			□
D4 Please tell me what other kinds of food you normally eat and how often.		around age 60		at present		around age 60		at present
1 almost everyday 2 occasionally 3 rarely or never	meat				○	□		□
	fish				○	□		□
	eggs				○	□		□
	food made from beans (tofu, etc.)				○	□		□
	salt-preserved vegetables				○	□		□
	sugar				○	□		□
	tea				○	□		□
	garlic				○	□		□
D5 What kind of water do you drink?		childhood	around age 60	at present		childhood	age 60	present
1 water from a well 2 water from a river or lake 3 water from a spring 4 water from a pond or pool 5 tap water					○	□	□	□
D6.1 Do you smoke at the present time?		1 yes 2 no			○			□
D6.2 Did you smoke in the past?		1 yes 2 no			○			□
D6.3 How old were you when you began to smoke?		age _____			○			□□
D6.4 How old were you when you stopped smoking if you don't smoke at present?		age _____			○			□□
D6.5 If you smoke at the present time, how many times per day on average do you smoke?		times _____			○			□□
D6.6 If you smoked in the past but not at present, how many times per day on average did you smoke?		times _____			○			□□
D7.1 Do you drink alcohol at the present time?		1 yes 2 no			○			□
D7.2 Did you drink alcohol in the past?		1 yes 2 no			○			□
D7.3 How old were you when you began to drink alcohol?		age _____			○			□□

D7.4 How old were you when stopped drinking alcohol if you don't drink alcohol at present?	age _____	○	□□□
D7.5 If you drink alcohol at the present time (drank in the past), how much per day on average do you drink?	_____*liang*	○	□□
D7.6 If you drink at the present time (drank in the past), what kind of alcohol do you drink?	1 liquor 2 wine 3 rice wine	○	□
D8.1 Do you do exercises regularly at present?	1 yes 2 no	○	□
D8.2 Did you do exercises regularly in the past?	1 yes 2 no	○	□
D8.3 How old were you when you began to do exercises?	age _____	○	□□□
D8.4 How old were you when you stopped doing exercises if you don't do exercises at present?	age _____	○	□□□
D9.1 Have you done physical labor regularly?	1 yes 2 no	○	□
D9.2 If yes, from which age to which age?	from age _____ to age _____	○	□□□ □□□
D10 Do you now perform the following activities regularly?		○	
housework	1 almost everyday 2 sometimes 3 never	○	□
grow vegetables & other field work	1 almost everyday 2 sometimes 3 never	○	□
garden work	1 almost everyday 2 sometimes 3 never	○	□
read newspapers/books	1 almost everyday 2 sometimes 3 never	○	□
raise domestic animals	1 almost everyday 2 sometimes 3 never	○	□
play cards and/or mah-jong	1 almost everyday 2 sometimes 3 never	○	□
watch TV and/or listen to radio	1 almost everyday 2 sometimes 3 never	○	□
religious activities	1 almost everyday 2 sometimes 3 never	○	□

E. KATZ' ADL For each area of functioning listed below, check the description that applies. (The word 'assistance' means supervision, direction, or personal assistance.)			Code
E1 **Bathing** – either sponge bath, tub bath, shower or washing the body	1 receives no assistance (gets in and out of tub alone if tub is usual means of bathing) 2 receives assistance in bathing only for part of the body (such as back or a leg) 3 receives assistance in bathing more than one part of the body (or doesn't bathe)	○	☐
E2 **Dressing –** gets clothes from closets and drawers – including underwear, outer garments and fasteners (including suspenders if worn)	1 gets clothes and gets completely dressed without assistance 2 gets clothes and gets dressed without assistance except for tying shoes 3 receives assistance in getting clothes or in getting dressed, or stays partly or completely undressed	○	☐
E3 **Toilet –** going to the toilet; cleaning oneself afterwards	1 goes to the toilet, cleans self, and arranges clothes without assistance (may use object for support such as cane, walker, or wheelchair) 2 receives assistance in going to the toilet or in cleaning self or in arranging clothes afterwards or in use of night bedpan or commode 3 doesn't use a toilet	○	☐
E4 **Transfer**	1 gets in and out of bed as well as in and out of a chair without assistance (may use object for support such as cane or walker) 2 gets in and out of bed or chair with assistance 3 bedridden	○	☐
E5 **Continence**	1 has complete control of urination and bowel movement without assistance 2 has occasional 'accidents' 3 supervision helps keep urine or bowel control; catheter is used or elder is incontinent	○	☐
E6 **Feeding**	1 feeds self without assistance 2 feeds self, with some help 3 receives assistance in feeding or is fed partly or completely intravenously	○	☐

F. PERSONAL BACKGROUND							Code
F1	How many years did you attend school?	_____					☐☐
F2	What was your main occupation before age 60?	0 professional and technical personnel 1 governmental, institutional or managerial personnel 2 agriculture, forest, animal husbandry 3 fishery worker 4 industrial worker 5 commercial or service worker 6 military personnel 7 housework 8 other, please specify:_____					☐
F3.1	What is your main means of financial support?	1 retirement wages 2 spouse 3 children 4 grandchildren 5 other relative 6 from local government or community 7 work 8 other, please specify:_____					☐
F3.2	What is your second-most important means of financial support?	1 retirement wages 2 spouse 3 children 4 grandchildren 5 other relative 6 from local government or community 7 work 8 other, please specify:_____					☐
F4.1	Current marital status:	1 married and living with spouse 2 separated 3 divorced 4 widowed 5 never married					☐
F4.2	How many times have you been married?	_____					☐☐

F4.3 Please tell me your marriage history		your age at this marriage	status of this marriage	age at marriage dissolution	good relationship ?		age at this marriage	status	age at marriage dissolution	relationship
('age at marriage dissolution' to be answered only by divorced or widowed people)	1st marriage		1 married 2 divorced 3 widowed		1 good 2 so-so 3 bad		☐☐☐	☐	☐☐☐	☐
	2nd marriage		1 married 2 divorced 3 widowed		1 good 2 so-so 3 bad		☐☐☐	☐	☐☐☐	☐
	3rd marriage		1 married 2 divorced 3 widowed		1 good 2 so-so 3 bad		☐☐☐	☐	☐☐☐	☐
	4th marriage		1 married 2 divorced 3 widowed		1 good 2 so-so 3 bad		☐☐☐	☐	☐☐☐	☐

F4.4 How many years did your last spouse attend school?	_____	○	□□
F4.5 What was your last spouse's main occupation before age 60?	0 professional and technical personnel 1 governmental, institutional or managerial personnel 2 agriculture, forest, animal husbandry 3 fishery worker 4 industrial worker 5 commercial or service worker 6 military personnel 7 housework 8 other, please specify:_____	○	□
F5 When you are sick, who usually takes care of you?	1 children and/or spouse 2 other family members 3 friends 4 live-in caregiver 5 social service 6 nobody	○	□
F6.1 Can you get adequate medical service when you are sick?	1 yes 2 no 3 never been sick	○	□
F6.2 Could you get adequate medical service when you were sick at around age 80?	1 yes 2 no 3 never was sick	○	□
F6.3 Could you get adequate medical service when you were sick at around age 60?	1 yes 2 no 3 never was sick	○	□
F6.4 Could you get adequate medical service when you were sick in childhood?	1 yes 2 no 3 never was sick	○	□
F6.5 Did you frequently go to bed hungry as a child?	1 yes 2 no	○	□
F7.1 Is your mother alive?	1 yes 2 no	○	□
F7.2 If so, how old is she?	_____	○	□□□
F7.3 If not, how old was she when she died?	_____	○	□□□
F7.4 If she is dead, how old were you when she died?	_____	○	□□□
F8.1 Is your father alive?	1 yes 2 no	○	□
F8.2 If so, how old is he?	_____	○	□□□
F8.3 If not, how old was he when he died?	_____	○	□□□

F8.4 If he is dead, how old were you when he died? _____

F8.5 The main occupation of your father before age 60

0 professional and technical personnel
1 governmental, institutional or managerial personnel
2 agriculture, forest, animal husbandry
3 fishery worker
4 industrial worker
5 commercial or service worker
6 military personnel
7 housework
8 other

F9 How many biological siblings, including those who have died, do you have? _____

F9.1 What is your birth order among all of your biological siblings? _____

F9.2 Please tell me about your biological brothers and sisters who live elsewhere or have died, by birth order.

Sex: 1 male 2 female

living or not:
1 yes 2 no

age: *if alive , fill in the age at present. If dead , fill in the age of death.*

frequent visits?
1 yes 2 no

residence:
1 in the same village/neighborhood
2 in the same township/district
3 in the same county/city
4 in a county/city nearby
5 elsewhere
8 unknown

(If alive , fill in the place where she/he lives at present. If dead, fill in the place where she/he lived before her/his death.)

name	address, if alive and aged 80 or over	birth order	name	sex	alive or not	age	frequent visits?	residence		birth order	sex	alive or not	age	visits?	residence
									○	□□	□	□	□□□	□	□
									○	□□	□	□	□□□	□	□
									○	□□	□	□	□□□	□	□
									○	□□	□	□	□□□	□	□
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									○	□□	□	□	□□□	□	□
									○	□□	□	□	□□□	□	□

F10 How many children, including those who have died, do you have?	_____						○							
F10.1 Please tell me about your children who live elsewhere or have died, by birth order.	name	sex	alive?	age at present	frequent visits?	residence		sex	alive?	age at present		frequent visits?	residence	
sex: 1 male 2 female							○	□	□	□□□		□	□	
alive or not: 1 alive 2 dead 3 unknown							○	□	□	□□□		□	□	
age at present: *If alive , fill in the age at present. If dead, how old would she/he be today?*							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
frequent visits? 1 yes 2 no							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
residence: 1 in the same village/neighbourhood 2 in the same township/district 3 in the same county/city 4 in the county/city nearby 5 elsewhere 8 unknown							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
(If alive , fill in the place where she/he lives at present. If dead, fill in the place where she/he lived before her/his death.)							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	
							○	□	□	□□□		□	□	

G. OBJECTIVE EXAMINATION AND ILLNESSES			Code
G1 Can the interviewee see a break in the circle on the cardboard sheet when lit by a flashlight and distinguish where the break is located?	1 can see and distinguish 2 can see only 3 cannot see 4 blind		□
G2.1 How many natural teeth does the interviewee have?	_____		□□
G2.2 Does the interviewee have false teeth?	1 yes 2 no		□
G3 Can the interviewee use chopsticks to eat?	1 yes 2 no		□
G4 Which hand do you normally use for eating?	1 right-hand 2 left-hand		□

G5. Blood pressure G5.1 Systolic G5.2 Diastolic	 _____mm mercury _____mm mercury		 ☐☐☐ ☐☐☐
G6 Rhythm of heart	1 regular 2 irregular		☐
G7 Heart rate	_____beats/min		☐☐☐
G8 Height G8.1 Acromion – process styloideus ulnae G8.2 Right knee to the floor	 _____cm _____cm		 ☐☐ ☐☐
G9 Measurement of peak flow	_____		☐☐☐
G10 Upper extremities - can interviewee put: G10.1 Hand behind neck	 1 right 2 left 3 both 4 neither		 ☐
G10.2 Hand behind lower back	1 right 2 left 3 both 4 neither		☐
G11 Can the interviewee stand up from sitting in a chair?	1 yes, without using hands 2 yes, using hands 3 no		☐
G12 Weight	_____ kg		☐☐☐
G13 Was the interviewee able to pick up a book from the floor?	1 yes, standing 2 yes, sitting 3 no		☐
G14 Was the interviewee able to turn around 360° without help? *If yes, please count the number of steps required to finish the turn.*	_____steps *(if no, fill in '00')*		☐☐
G15 Blood dry-spot sample from a finger (1) Prick the finger, dripping the blood onto five circles of the filter paper. All five circles should be fully filled ; (2) Blood should permeate the filter paper ; (3) No one (except the interviewee) should touch the filter paper except on the edges ; (4) Put the dried blood into envelopes (made of Manila paper) and seal them ; (5) Store them in a dry place until they are mailed.			
G16 How many times have you suffered serious illness which required hospitalization or caused you to be bedridden at home in the past 2 years?	_____ *(if no illnesses, fill in '00'; if permanently bedridden, fill in '88')*		☐☐

G17 Are you suffering from any of the following?	yes or no 1 yes 2. no 3 don't know	disability in daily life 1 rather serious 2 more or less 3 no		yes or no	disability
hypertension			○	☐	☐
diabetes			○	☐	☐
heart disease			○	☐	☐
stroke , cerebrovascular disease			○	☐	☐
bronchitis, pulmonary emphysema，asthma, pneumonia			○	☐	☐
pulmonary tuberculosis			○	☐	☐
cataract			○	☐	☐
glaucoma			○	☐	☐
cancer			○	☐	☐
prostate tumor			○	☐	☐
gastric or duodenal ulcer			○	☐	☐
Parkinson's disease			○	☐	☐
bedsore			○	☐	☐
others, please specify: _____			○	☐	☐

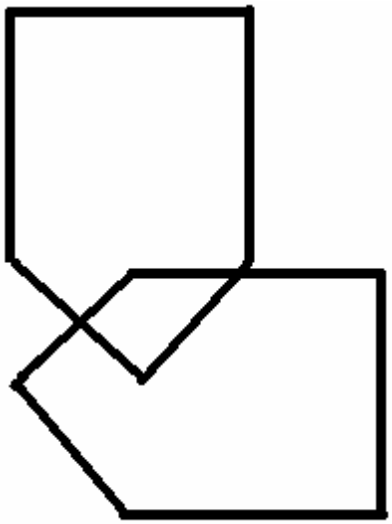
H. QUESTIONS FOR INTERVIEWER			Code	
			hearing ability	volume
H1 Was the interviewee able to hear what you said?	1 yes, without hearing aid 2 yes, but needs hearing aid (volume of hearing aid: _____) 3 partly, despite hearing aid (volume of hearing aid: _____) 4 no		☐	☐
H2 The interviewee was:	1 surprisingly healthy (almost no obvious ailments) 2 relatively healthy (only minor ailments) 3 moderately ill (moderate degrees of major ailments or illnesses) 4 very ill (major ailments or diseases, bedridden, etc.)		☐	
H3 Have blood dry-spot samples been taken? If not, why not?	1 yes 2 no reason:_____		☐	

H4 Date of birth printed on the household booklet	_____year ____month ____day		☐☐☐☐☐☐☐☐
H4.1 Was the date of birth printed on the household booklet the same as the self-reported age?	1 no 2 yes 3 no self-reporting		☐
If not, which one do you consider correct?	1 self-reported age 2 household booklet 3 not sure		☐
H5 Please write down the evidence for confirming the interviewee's age-reporting: *(Regardless of whether or not there is self-reporting, you should confirm the age of the interviewee. If there is not enough space to write down your confirmation, please use the last page of this questionnaire).*	_____		
H6 Have you checked whether you have failed to ask a question?	1 yes 2 no		☐
H7 Did anyone help the interviewee to answer any question?	1 yes 2 no		☐
H7.1 If yes, please check whether you have marked 'x' in the ❒ of the third column for those questions answered by people other than the interviewee. Please indicate who mainly helped to answer those questions.	1 spouse 2 child or spouse of child 3 grandchild or spouse of grandchild 4 great grandchild or spouse of great grandchild 5 sibling 6 parent or parent-in-law 7 live-in caregiver 8 other		☐
H8 Photograph:			
H8.1 Interviewee's personal photo	1 yes 2 no		☐
H8.2 Photo with interviewee's family	1 yes 2 no		☐

SPECIAL OBSERVATIONS

I. SPECIAL QUESTIONS (only applicable to those aged 105 or above)		Code
Note to all persons who help to answer the questions listed below: ***According to article 14 of chapter 3 of the Law on Statistics, all information collected in this survey will be treated as strictly confidential. We will not tell anyone, including the elder him/herself, that you have helped to provide us information by answering the following questions, and your name will not be written down anywhere. The information collected here is purely for scientific research and nobody except qualified researchers will have access to this information. There will be NO connection between information collected here and the personal honour of the elder or any benefits she/he receives.*** ***The elder's name:_____ Sex:_____ Code:_____ Self-reported age:_____***		
S1 Information obtained from the elder's neighbors: What is your opinion about this? *(Present these possibilities and ask the respondent to chose one. The respondent should freely chose one based on the facts he or she knows.)*	1 I do not think the elder's age is correct. 2 I have doubts about the elder's age. 3 Perhaps the elder's age is correct, perhaps not – I do not know. 4 I suppose the elder's age is correct, but I do not know for sure. 5 I am absolutely sure the elder's age is correct. *Whatever answer the respondent chooses please ask him or her to explain why:* _____	☐
S2 Information obtained from the village leader or the neighborhood committee leader: What is your opinion about this? *(Present these possibilities and ask the respondent to chose one. The respondent should freely chose one based on the facts he or she knows.)*	1 I do not think the elder's age is correct. 2 I have doubts about the elder's age. 3 Perhaps the elder's age is correct, perhaps not – I do not know. 4 I suppose the elder's age is correct, but I do not know for sure. 5 I am absolutely sure the elder's age is correct. *Whatever answer the respondent chooses please ask him or her to explain why:* _____	☐
S3 Information obtained from the Aging Association officer: What is your opinion about this? *(Present these possibilities and ask the respondent to chose one. The respondent should freely chose one based on the facts he or she knows.)*	1 I do not think the elder's age is correct. 2 I have doubts about the elder's age. 3 Perhaps the elder's age is correct, perhaps not – I do not know. 4 I suppose the elder's age is correct, but I do not know for sure. 5 I am absolutely sure the elder's age is correct. *Whatever answer the respondent chooses please ask him or her to explain why:* _____	☐
S4 If there are genealogical records for the elder, please locate them and answer the following questions:		
S4.1 Birth date of the elder:	year____; month____; day___;	☐☐☐☐☐☐
S4.2 Date of first marriage of the elder:	year____; month____; day___;	☐☐☐☐☐☐

B Card



Please draw figure above here:

Community Questionnaire on Determinants of Healthy Longevity in China

Province ☐☐

City or county ☐☐

Interviewer：_____; Signature _____ Date: _____

Supervisor：_____; Signature _____ Date: _____

In the initial 1998 survey, all questions，including those appearing on a shaded background，should be answered. In the 2000 and 2002 follow-up surveys, please answer only those questions that do not appear on a shaded background.

I、 NATURAL ENVIRONMENT		code
I 1. Geographical location: longitude latitude	 _____ _____	 ☐☐☐ ☐☐☐
I 2. Total area	_____km^2	☐☐☐☐☐☐
I 3. Topography type plain hilly semi-mountainous mountainous plateau basin others	 _____ % _____ % _____ % _____ % _____ % _____ % _____ %	 ☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐ ☐☐
I 4. Temperature Average temperature (^{0}C) July January Extreme temperature (^{0}C) highest lowest	 _____ ^{0}C _____ ^{0}C _____ ^{0}C _____ ^{0}C	 ☐☐☐ ☐☐☐ ☐☐☐ ☐☐☐
I 5. Number of frost-free days per year	_____days	☐☐☐
I 6. Average annual rainfall	_____mm	☐☐☐☐

I 7. Area of forest coverage in the latest year available			_____km^2 year _____	☐☐☐☐☐☐
I 8. Main soil type			1. red soil 2. yellow soil 3. black soil 4. other (please specify):_____	☐
I 9. Content of trace elements in the soil:			(to one decimal point)	
	iodine		_____ppm	☐☐☐.☐
	selenium		_____ppm	☐☐☐.☐
	zinc		_____ppm	☐☐☐.☐
I 10. People's main food in this area			1. rice 2. wheat 3. corn 4. sorghum 5. other (please specify):_____	☐
I 11. Distance from the capital city of the province (or from the nearest large city)			_____km	☐☐☐
II、POPULATION				
II 1. Age distribution of population				
1982	Total population	male	_____	☐☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐☐
	60-69	male	_____	☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐
	70-79	male	_____	☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐
	80-89	male	_____	☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐
	90-99	male	_____	☐☐☐☐☐
		female	_____	☐☐☐☐☐
	100+	male	_____	☐☐☐
		female	_____	☐☐☐
1990	Total population	male	_____	☐☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐☐
	60-69	male	_____	☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐
	70-79	male	_____	☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐
	80-89	male	_____	☐☐☐☐☐☐
		female	_____	☐☐☐☐☐☐

	90-99	male	_____	□□□□□
		female	_____	□□□□□
	100+	male	_____	□□□
		female	_____	□□□
the latest year available (fill in which year)			_____	□□□□
	Total population	male	_____	□□□□□□□
		female	_____	□□□□□□□
	60-69	male	_____	□□□□□□
		female	_____	□□□□□□
	70-79	male	_____	□□□□□□
		female	_____	□□□□□□
	80-89	male	_____	□□□□□□
		female	_____	□□□□□□
	90-99	male	_____	□□□□□
		female	_____	□□□□□
	100+	male	_____	□□□
		female	_____	□□□
II 2. Crude death rates (‰)				
		1953	_____‰	□□□.□
		1964	_____‰	□□□.□
		1982	_____‰	□□□.□
		1990	_____‰	□□.□
the latest year available (fill in which year)			_____	□□□□
			_____‰	□□.□
II 3. Infant mortality rates (□)				
		1982	_____‰	□□□.□
		1990	_____‰	□□□.□
the latest year available (fill in which year)			_____	□□□□
			_____‰	□□□.□

II 4. Proportion of urban population to total population (%)		
1982	_____%	□□

1990		_____%		□□
the latest year available (fill in which year)		_____ _____%		□□□□ □□
II 5. Educational distribution of the population				percent
1982 (over age 12) *(Note the total number of males/females and then calculate the percentage.)*		male	female	Male / female
	illiterate			□□.□ / □□.□
	primary school			□□.□ / □□.□
	middle school			□□.□ / □□.□
	high school			□□.□ / □□.□
	college and above			□□.□ / □□.□
1990 (over age 15)	illiterate			□□.□ / □□.□
	primary school			□□.□ / □□.□
	middle school			□□.□ / □□.□
	high school			□□.□ / □□.□
	college and above			□□.□ / □□.□
the latest year available (over age 15 -- fill in which year)		_____		□□□□
				percent
		male	female	Male / female
	illiterate			□□.□ / □□.□
	primary school			□□.□ / □□.□
	middle school			□□.□ / □□.□
	high school			□□.□ / □□.□
	college and above			□□.□ / □□.□

III、SOCIO-ECONOMIC INDICATORS		
III 1. GNP per capita (yuan)		
1982	_____yuan	□□□□□

1990	_____yuan	☐☐☐☐☐
the latest year available (fill in which year)	_____	☐☐☐☐
	_____yuan	☐☐☐☐☐
III 2. Composition of GNP (percent) in the latest year available (fill in which year)	_____	☐☐☐☐
agriculture	_____%	☐☐.☐
heavy industry	_____%	☐☐.☐
light industry	_____%	☐☐.☐
commercial & services	_____%	☐☐.☐
III 3. Annual net income of rural residents per capita (yuan)		
1982	_____yuan	☐☐☐☐☐
1990	_____yuan	☐☐☐☐☐
the latest year available (fill in which year)	_____	☐☐☐☐
	_____yuan	☐☐☐☐☐
III 4. Number of registered medical personnel (physicians and nurses) per 10,000 persons		
1982	_____persons	☐☐☐
1990	_____persons	☐☐☐
the latest year available (fill in which year)	_____	☐☐☐☐
	_____persons	☐☐☐
III 5. Number of hospital beds per 10,000 persons		
1982	_____beds	☐☐☐
1990	_____beds	☐☐☐
the latest year available (fill in which year)	_____	☐☐☐☐
	_____beds	☐☐☐

III 6. Number of nursing homes for the elderly		
1982	_____nursing homes	☐☐☐
1990	_____nursing homes	☐☐☐
the latest year available (fill in which year)	_____	☐☐☐☐
	_____nursing homes	☐☐☐

III 7. Number of the elderly living in the nursing houses			
1982		_____persons	☐☐☐☐☐
1990		_____persons	☐☐☐☐☐
the latest year available (fill in which year)		_____	☐☐☐☐
		_____persons	☐☐☐☐☐
III 8. Monthly subsidies to the elderly per person (yuan)			
1982	70-79	_____yuan	☐☐☐
	80-89	_____yuan	☐☐☐
	90-99	_____yuan	☐☐☐
	100+	_____yuan	☐☐☐
1990	70-79	_____yuan	☐☐☐
	80-89	_____yuan	☐☐☐
	90-99	_____yuan	☐☐☐
	100+	_____yuan	☐☐☐
the latest year available (fill in which year)		_____	☐☐☐☐
	70-79	_____yuan	☐☐☐
	80-89	_____yuan	☐☐☐
	90-99	_____yuan	☐☐☐
	100+	_____yuan	☐☐☐
IV、 ENVIRONMENT QUALITY			
IV 1. Is there heavy industry or a chemical factory in this area or in a neighboring area?			
chemical factory		1. yes 0. no	☐
power station		1. yes 0. no	☐
iron and steel plant		1. yes 0. no	☐
painting and dyeing plant		1. yes 0. no	☐
others (please specify)		_____	☐

IV 2. Amount of environmental pollution in the latest year available	year _____	☐☐☐☐
industrial waste water	_____ tons	☐☐☐☐☐
non-industrial waste water	_____ tons	☐☐☐☐☐
processed industrial waste water	_____ tons	☐☐☐☐☐
waste gases	_____ m^3	☐☐☐☐☐☐☐

industrial residuals	_____ tons			☐☐☐☐☐
IV 3. Area of naturally preserved land in this city or county	_____ km^2			☐☐☐☐
IV 4. Were there any serious disasters (famine, earthquake, drought, flood, locusts) in this century? *(please check the county annals)* Please list type of disaster: 1. earthquake 2. drought 3. flood 4. locusts 5. war 6. pestilence 7. others *Note: in the 2000 and 2002 follow-up surveys, please indicate only disasters that have occurred since the previous survey.*	_____ times			☐☐
	year	type of disaster	Year	type of disaster
			☐☐☐☐	☐
			☐☐☐☐	☐
			☐☐☐☐	☐
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In your opinion, what are the most important determinants of longevity in this area? (please describe)