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New Mothers' Survey in 2008 in rural China

A CHIMACA report

REPORT



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Abstract

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Introduction This report describes the methods and presents the basic results of the new mothers' survey in rural areas in three Chinese provinces; Anhui, Chongqing and Shaan'xi, conducted in 2008. The survey was one of several tools to evaluate the impact of the interventions implemented by the CHIMACA project -“Structural hindrances to and promoters of good maternal care in rural China” - in 2007-2008.

Aims The aims of the whole CHIMACA project were to strengthen and improve the performance of health care system in rural China in order to alleviate financial access and improve quality of maternal care and to encourage research collaboration between European and Chinese researchers and students. The aims of the new mothers' survey were to collect data on the use of maternal health care, hindrances in using care, content of and satisfaction with the received care and to measure the impact of the interventions carried out. The aim of this report is to give basic descriptive results by province.

Methods In each province, one or two poor counties and all townships from the selected counties, in total 104 counties, were selected. For the cluster randomized trial the townships in the selected counties were randomized for various interventions. After the interventions were implemented, this cross-sectional survey in selected villages in these townships was made. Villages were selected by distance to the nearest township hospital and population size.

Data were collected by interviewing women using a structured questionnaire prepared by an international group of researchers from Finland, Belgium, United Kingdom, Sweden, and China. If the woman was not available to answer the questions, a relative (husband, mother or mother-in law) was interviewed using an abbreviated questionnaire. The questionnaire included questions related to the woman's and her partner's background, family's situation, earlier pregnancies, index child and pregnancy and use and experiences of prenatal, delivery and postnatal care.

Results Overall, 3673 women and 285 relatives were interviewed giving the response rate 71%; 68% in Anhui and Chongqing and 76% in Shaan'xi. The main reasons for non-response was that women were not reached: working outside the area (migrant women), visiting relatives, or living with mother's relatives (which is typical in rural China after having given birth).

Of the interviewed, 15% were migrants and the proportion was almost the same in all three provinces. One-fifth of the women reported the pregnancy to be illegal

(unauthorized by family planning authorities). Half of the women had stopped working completely during pregnancy, often already in early pregnancy. Almost all women had prenatal visits which were mostly paid out of pocket. About half of the women gave birth at the county or higher level hospital. Over 40% of women did not receive any reimbursement for delivery costs. Homebirths were uncommon. Caesarean section was almost as common as a vaginal birth. One-third of the decisions for Caesarean sections were made during pregnancy and half just before the delivery. Overall, only 44% of women had had postnatal visits.

Most results were similar in the three provinces. The differences include: in Anhui the proportion of illegal pregnancies was lower than in Chongqing and Shaan'xi. In Chongqing the time to get from home to village clinic was longer than in the other two provinces. In Shaan'xi the proportion of those women who stopped working completely during pregnancy was lowest. The highest Caesarean section rate was in Anhui. In Shaan'xi more women delivered at county or higher level hospital than in Anhui and Chongqing, where women mostly delivered at township hospital. In Anhui the proportion of women without postnatal visits was higher than in other two provinces.

Keywords: use of maternity care, experiences of maternity care, patient views, pregnancy, delivery, prenatal care, postnatal care, rural China

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List of abbreviations

CHIMACA = Structural hindrances to and promoters of good maternal care in rural China

CMS = Co-operative Medical Scheme (a rural health insurance scheme in China)

F = Fanchang, a county in Anhui province

FP = Family planning

INCO Programme = International Cooperation Programme

L = Lantian, a county in Shaan'xi province

MCH = Maternal and child health

NCMS = New Co-operative Medical Scheme

R = Rongchang, a county in Chongqing

THL = The National Institute for Health and Welfare

X = Xuancheng, a county in Anhui province

Z = Zhen'an, a county in Shaan'xi province

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Introduction

This report describes the methods and presents the basic results of a survey in maternal health care in three provinces in rural China conducted in 2008. The survey was one of several tools to evaluate the impact of various interventions implemented by the CHIMACA project in the study areas in 2007-2008 (see Discussion Paper "Implementation of interventions in the CHIMACA project"). It is called the new mothers' survey. The aims of the whole CHIMACA project – “Structural hinders to and promoters of good maternal care in rural China” – were to strengthen and improve the performance of health care system in rural China in order to alleviate financial access and improve quality of maternal care.

China has experienced a wide range of social and economic reforms during the last 20 years. One of the unintended consequences of the reforms is the disparity in maternal health between urban and rural areas. Chinese authorities have developed various policies to improve access to maternal health services in rural area. In the central and western parts of China, the Co-operative Medical Scheme (CMS) was re-established. CMS includes some delivery costs in the benefit package. However not all maternal care is financed by CMS and user fees are important in covering the cost.

Both family planning and maternal health care in rural China are organised at three levels: county, township, and village. Family planning institutes are in charge of implementing and supervising the national one-child policy. Antenatal and postnatal visits are offered at all levels of maternal health care facilities, but delivery services are mainly offered at township and county level. The quality of care can vary greatly.

The first aim of the new mothers' survey was to collect data on the use of maternal health care, hinders in using care, content of and satisfaction with the received care. The second aim of the survey was to measure the impact of the interventions carried out. The third aim was to encourage international collaboration between European and Chinese researchers and students. The data will be used for national (in China) and international publications, reports and theses. The information will be disseminated at local, national and international level.

The purpose of this report is to give a detailed description of the survey. It gives the distribution of answers to survey questions by province. The report has three functions: 1) its material can be used to develop better maternal health care services in rural China, 2) it is a report for the European Commission INCO Programme and 3) it gives descriptive background data for the project researchers and to others interested in formulating hypotheses and doing analytical studies; it can be a source of reference for scientific and professional publications.

Methods

Study setting and design

In rural China three provinces Anhui, Chongqing and Shaan'xi were selected for the CHIMACA interventions in maternal health care. In each province, one or two poor counties (in accordance to China national classification) were selected using the following criteria:

- 1) The local government was interested in the project and willing to collaborate with the local research teams.
- 2) The counties had reinstated (or will reinstate) the Co-operative Medical System (CMS).
- 3) There were no other maternal health care improvement programs in the county.
- 4) The township health facilities were adequate for delivering maternal health care and health care workers had adequate knowledge and skills to offer maternal health care.
- 5) There were suitable number of population and townships.
- 6) Maternal care was used: the proportion of women with hospital delivery, antenatal care and postnatal care was over 50%.

Fanchang (F) and Xuancheng (X) counties were selected from Anhui province, Rongchang (R) from Chongqing province and Lantian (L) and Zhen'an (Z) counties from Shaan'xi province. All townships from the selected counties were included giving in total 104 townships: 30 in Anhui: 18 in F and 12 in X; 20 in R in Chongqing and 54 in Shaan'xi: 29 in L and 25 in Z.

For the cluster randomized trial the townships in the selected counties were randomized for various interventions (see Discussion Paper "Implementation of interventions in the CHIMACA project"). After the interventions were implemented, a cross-sectional survey on utilization of maternal health care in these counties was made between December 2008 and March 2009. In this report, the trial population is studied as a cohort, and women exposed to different interventions and the control groups are combined. Criteria were used to select the villages for the survey. In Anhui: 1/3 of villages in each township were included using the criteria of distance to the nearest township hospital and population size. A total of 75 villages were included: 40 in F and 35 in X. In Chongqing two villages per each township were randomly selected, with a total of 40 villages in R. In Shaan'xi, half of the villages were randomly selected using the criteria of population size; a total of 370 villages were selected with 246 in L and 124 in Z.

Participants

Eligibility

The target population was all women having given births in the selected areas in 2008. In Anhui, all women having given birth in the study villages between 1st March and 31st December 2008, and in Chongqing and in L county in Shaan'xi all women having given birth between 1st April 2008 and 31st December, and living in the area at the time of the survey were eligible for the study. Women having given birth between 1st August 2008 and 31st March 2009 were eligible in Z county in Shaan'xi.

Identifying and recruiting participants

In Anhui, women were identified by township doctors and family planning (FP) workers, in Chongqing from the birth registers of township hospitals and in Shaan'xi by village doctors and snow ball methods. Women working outside the area (estimated to be 30-45% of women) and women still pregnant at the time of the survey were not included.

Lists of women to be interviewed were made in each province. In Anhui the list was created by FP workers and township doctors. The FP workers in the selected villages made lists including all births in the villages and then township doctors collected these lists. Due to the time-interval between collecting the lists and reporting them from village level to township level, village FP workers completed the list and researchers in Anhui team checked the lists. In Chongqing, master students from the Chongqing Medical University made the list using the birth registers of township hospitals. The list was checked by village doctors. In Shaan'xi, village doctors made the list.

The eligibility of the women included in the lists was checked and completed by the researchers involved into the study. The yearly number of births per township varied from 10 to over 1400 being mostly between 100-200 in Anhui and Chongqing and under 100 in Shaan'xi.

An invitation letter (Appendix 1 and Appendix 2) that gave information of the purpose of the study and invited women to participate in the survey were drafted by researchers in the Xian Jiaotong University (in Shaan'xi) and reviewed by other researchers. In Anhui, the invitation letter was given to village FP workers who gave it to the woman or orally informed the women. In Chongqing it was given to village doctors who explained and invited women to participate the survey. In Shaan'xi it was given directly to the women before the interview.

In Anhui, 2317 women (1294 in F and 1023 in X county) were identified and included on the list of women to be interviewed by FP workers or township doctors (Table 1.). Before the interview women were contacted by telephone or home visit.

In Chongqing 1029 women were identified and included on the list of women to be interviewed (Table 1). Village doctors contacted the women before the interview by telephone call or by visiting them.

In Shaan'xi 2221 women (1428 in L and 793 in Z county) were identified and included on the list of women to be interviewed (Table 1). Interviewers informed the county level health care workers who contacted the township doctors who informed village doctors about the interviews one or more days before the interview. The women were not informed in advance.

Table 1. Numbers (%) of women in the list, number of women interviewed and number of women missing as well as reasons for missing in three provinces

	Anhu			Chongqing	Shaan'xi			Total
	Total	Fanchang	Xuancheng	Total	Total	Lantian	Zhen'an	
Women in the list	2317	1294	1023	1029	2221	1428	793	5567
Women interviewed	1515	896	619	544	1614	1071	543	3673
Relatives interviewed	59	23	36	156	70	16	54	285
Total	1574	919	655	700	1684	1087	597	3958
Missing	743 (32)	375 (29)	368 (36)	329 (32)	537 (24)	341 (24)	196 (25)	1609 (29)
- Refusal	67 (3)	43 (3)	24 (2)	13 (1)	3 (0.1)	3 (0.2)	0	83 (2)
- Out of working ¹	179 (8)	78 (6)	101 (10)	86 (8)	253 (11)	162 (11)	91 (11)	518 (9)
- No/unclear address ²	271 (12)	95 (7)	176 (17)	105 (10)	0	0	0	376 (7)
- Not at home ³	226 (10)	159 (12)	67 (7)	52 (5)	240 (11)	170 (12)	70 (9)	518 (9)
- Transportation problems	0	0	0	3 (0.3)	33 (2)	2 (0.1)	31 (4)	36 (0.6)
- Other reasons (moving, disability, stillbirth, afraid of FP)	0	0	0	70 (7)	8 (0.4)	4 (0.3)	4 (0.5)	78 (1)

¹ Women worked out of their HUKOU registered hometown.

² No registration of women's home or information was not complete.

³ Women were not at home at the time of the survey, for example visiting relatives.

Table 2. Numbers (%) of women in the list, number of women interviewed and number of women missing as well as reasons for missing in three provinces excluding migrant women (those out of working)

	Anhu			Chongqing	Shaan'xi			Total
	Total	Fanchang	Xuancheng	Total	Total	Lantian	Zhen'an	
Women in the list	2138	1216	922	943	1968	1266	702	5049
Women interviewed	1515	896	619	544	1614	1071	543	3673
Relatives interviewed	59	23	36	156	70	16	54	285
Total	1574	919	655	700	1684	1087	597	3958
Missing	564 (26)	297 (24)	267 (29)	243 (26)	284 (14)	179 (14)	105 (15)	1091 (22)
- Refusal	67 (3)	43 (4)	24 (3)	13 (1)	3 (0.2)	3 (0.2)	0	83 (2)
- No/unclear address ¹	271 (13)	95 (8)	176 (19)	105 (11)	0	0	0	376 (7)
- Not at home ²	226 (11)	159 (13)	67 (7)	52 (6)	240 (12)	170 (13)	70 (10)	518 (10)
- Transportation problems	0	0	0	3 (0.3)	33 (2)	2 (0.2)	31 (4)	36 (0.7)
- Other reasons (moving, disability, stillbirth, afraid of FP)	0	0	0	70 (7)	8 (0.4)	4 (0.3)	4 (0.6)	78 (2)

¹; No registration of women's home or information was not complete.

² Women were not at home at the time of the survey, for example visiting relatives.

Data source

Questionnaire

Data were collected by interviewing women using a structured questionnaire (Appendix 3) prepared by an international group of researchers from Finland, Belgium, United Kingdom, Sweden, and China and coordinated by THL researchers. The content of the questionnaire was discussed in many meetings as well as by telephone calls and e-mails. After piloting the questionnaire, it was modified and translated into Chinese (Appendix 4). If the woman was not available to answer the questions, a relative (husband, mother or mother-in law) was interviewed. A separate questionnaire was made for relatives (Appendix 5). The final version of the relative questionnaire was translated into Chinese (Appendix 6). The Chinese versions of the questionnaires were checked against the English versions by a bilingual researcher.

Pilot study

A pilot study was conducted in August 2008 in Chongqing province.

Interviews

Timing

The final survey was conducted between December 2008 and March 2009 in all study provinces. Interviews lasted about 20-30 minutes. Only the interviewer and interviewee were present at the time of interview.

Interviewers

In Anhui the 22 interviewers were teachers, PhD and master students of maternal and child health from the School of Public Health, Anhui Medical University. All interviewers were trained to carry out the interviews. The principal trainer was a teacher from Anhui Medical University and two master students assisted in the training. All the interviewers had rich experiences of conducting field work in rural areas with other projects. During the training, each question was explained and discussed. The training also included organization of the field work.

In Chongqing, the interviewers were master students, one lecturer and one associate professor from Chongqing University of Medical Sciences. All interviewers had experience of conducting surveys. The coordinating CHIMACA researcher explained each questions to the interviewers and highlighted the skills needed for doing interviews.

In Shaan'xi the interviewers were teachers and master and PhD students from Xi'an Jiaotong University. They had experience of carrying out questionnaire surveys. The coordinating CHIMACA researcher explained each question to the interviewers and highlighted the skills needed for doing interviews.

Organization and place of interview

In Anhui, before the interviews, researchers from the Anhui Medical University held a meeting in each county and invited the leaders of the county health bureau and county MCH station, township managers and doctors to participate in the survey. In the meeting a suitable time-period for each township was discussed and a detailed timetable was made. Immediately before the survey was to be conducted in each township, the township hospital manager was telephoned to remind him/her about the interviews.

In F county, interviewers visited each township over 10 day period. In X county, the townships were visited over a 7 day period. Two groups of 11 interviewers (totally 22) were made. The last day in the study period was reserved for re-visits to those women who were not met during the first visit. In each township a county MCH officer guided the team and provided the transportation, but did not participate in the actual interviews. When arriving at township hospitals, the interviewers were divided into groups of 2-3 interviewers, depending on the actual numbers of women and villages. The village FP workers waited in the township hospitals or the village officers to escort the interviewer to the women's homes. Usually women were waiting at home after being informed about interview beforehand. If a woman could not be contacted, then the interviewer went to her home without any advance information. In some villages, FP workers asked women to come to the village offices or to nearby restaurants. However, most interviews were made in women's homes. In some townships, the township doctors accompanied the interviewers in women's homes to do postnatal visits, but they were not present during the interview.

If the woman was temporarily not at home, a second attempt to interview the woman was made. Otherwise a relative was interviewed. On average, each interviewer did 4-6 interviews in one day.

In Chongqing, during a 25 day period, two groups of interviewers visited each township for one or two days. A county MCH officer guided the team and provided the transportation. He/she did not participate in the actual interviews. The interviewers (12) went to the township hospital. They then divided into two groups of 6 interviewers who then went to different areas. They then divided again to groups of three interviewers. One group went to women's homes whilst the other group stayed at the village clinic or other public places to conduct the interviews. Village doctors had informed and invited women to participate in the survey beforehand. If women were not willing to come to the village clinic, village doctors

guided interviewers to women's homes. Some women who were not at home or were living very far from the village centre were interviewed by phone or their relatives were interviewed. Most interviews occurred at women's home. On average, each interviewer did 4-5 interviews per day.

In Shaan'xi, the survey was conducted over a 30 day period. The interviewers visited one township per day. The ten interviewers first visited the township hospital doctors and were accompanied by the county MCH hospital staff. They then separated into pairs or went individually to the villages to conduct the interviews.

The project workers from county MCH hospital accompanied the interviewers to find the village doctors. The village doctor guided the interviewer to a woman's home. The village doctors introduced the interviewer to the woman, explained the invitation letter to the woman and asked for consent and made the interview. If the woman was busy, a new time and place were agreed. Most interviews were made at women's home. If the woman was temporarily not at home, a second try was usually made before leaving the township, or a relative was interviewed. On average, each interviewer did 3-5 interviews in one day.

Variables

The questionnaire included 79 questions related to the woman's and her partner's background and family's situation, information on earlier pregnancies, index pregnancy and child, as well as use of prenatal, delivery and postnatal care for the index child (see Appendix 2). Questionnaire for relatives included 54 questions related to same topics (see Appendix 3). In addition women were asked whether they were migrant women and whether the pregnancy was illegal or not. In Anhui, the migrant status was defined by HUKOU. The information of illegal pregnancy was provided by FP workers. HUKOU represents an individual's registered permanent residence. There are two kinds of HUKOU in China, urban and rural. In principal, a person's HUKOU is relatively fixed.

Several variables were created. In Chongqing and Shaanxi, migrant woman is a woman who was registered at study counties, but sought for a job out of those counties. In Anhui, migrant is a woman who was registered at other counties, but lived in study counties. HUKOU is a Chinese population register system with rural-urban binary structure. Illegal pregnancy is when a woman is pregnant without the permission from the family planning office. A midwife is a person who had three years of professional medical education.

Study size

The sample size calculations were made to evaluate the impact of interventions (and are not relevant to this report as such).

The original aim was to reach all births in selected areas in 2008 in Anhui, Shaan'xi and Chongqing provinces. Due to the transport problems (difficult access

to mountain areas) and an unknown proportion of migrant workers among new mothers it was anticipated that all new mothers could not be reached. In each province sample size calculations for the minimum and maximum numbers of women were made.

The sample size calculation was made by researchers from Belgium and Shaan'xi province, China. It was estimated that the sample size in Anhui should be between 1440 and 2110, in Chongqing 525 and 1050 and in Shaan'xi 875 to 1750 taking into account the significance of 95%, with 80% power and the size of villages in every township in each province. Outcome variables used to calculate the sample size were number of prenatal and postnatal visits, and timing of the first visit in each province.

Response rate

The numbers of women in the list, women interviewed and women missing, as well as reasons for missing in the three provinces are presented in Table 1 and 2.

The main reasons not to be reached were working outside the area (migrant women) and visiting relatives (or living with mother's relatives which is typical in China after having given birth). As we do not have any background information about the missing women we do not know whether our sample represents all women having given birth. It was estimated that at least women with more than one child and especially women with illegal pregnancies (having the second child while the first one is a boy or having three or more children) were under represented, especially in Anhui province. In Anhui, the estimation based on the list of FP office. Overall, the response rate was 71%; 68% in Anhui and Chongqing and 76% in Shaan'xi. After excluding the migrant women the response rates were in Anhui and in Chongqing 74% and 86% in Shaan'xi (Table 2).

Ethical consideration

Ethical approval for the interventions and data collection study was obtained from the International Centre for Reproductive Health, ICHR, Ghent University, Belgium. Local approvals were obtained from Anhui Medical University, Chongqing University of Medical Sciences and Xi'an Jiatong University in Shaan'xi.

Results

A Background characteristics

Here we summarize briefly the main results for each question (see the questionnaire, Appendix 3). Distributions are given in tables by province: Anhui, Chongqing and Shaan'xi. The results are briefly commented in the text below. Results include descriptions of women's and their husbands background, women's pregnancies and use of ante-, delivery and postnatal care in index pregnancy, costs of maternal health care, satisfaction of received care as well as health of the child. First, a table including only answers from the women themselves is given, followed by a table including also women for whom the information was obtained from relatives.

In the three provinces 15% of the women were migrants (Table "Migrant"). The proportion was almost the same in all three provinces.

In three provinces one-fifth of the women reported the pregnancy to be illegal (Table "Legal pregnancy"). However, there were notable differences by provinces. In Chongqing 40% and in Shaan'xi one third of women had an illegal pregnancy while in Anhui most women reported to have a legal pregnancy. When combining answers from women and their relatives the proportions of those with illegal pregnancy did not change greatly.

In the three provinces mean age of the women was 27 years (range 18-45) (Table A5). In Anhui and Shaan'xi half and in Chongqing slightly less than half of the women were 25-34 years. The lowest proportion of women aged 35 or more years was in Shaan'xi. When combining answers from women and their relatives the proportions of women by age groups did not change greatly (Table A5r).

Most women in all provinces had middle school education, some reported primary and some high school education (Table 6a). About 6% of all women were illiterate or semi-illiterate. There were no notable changes in the proportions when combining answers from women and their relatives (Table 6ar).

In all provinces most women were farmers with the highest proportion in Shaan'xi and the lowest in Chongqing (Table A7). Approximately one-third reported that they are labourer in a city. The proportion was the lowest in Shaan'xi. The proportion of rural farmers was highest in Shaan'xi and lowest in Chongqing. Unemployment rate was 10% in all three provinces with the highest rate in Chongqing. There were no notable changes in the proportions when combining answers from women and their relatives (Table A7r).

In all three provinces most women and their husbands had rural HUKOU (Table A1b, A8b), lived in the same township as their HUKOU was registered during the first three months of pregnancy (Table A2a) and the last three months of their pregnancy (Table A3a) and at the time of the delivery (Table A4a).

In all provinces most fathers had middle school education and some had high school or primary school education (Table A10a). In all three provinces most of them were labourers in a city or farmers (Table A11).

In all three provinces, more than half of the women had 4-5 family members before their delivery (Table A13). About one-third of women in Anhui and one-fourth in Chongqing and Shaan'xi had 1-3 family members. The proportion of women living with six or more family members was highest in Shaan'xi. When combining answers from women and relatives the proportions were the same as it was found from women only (Table A13r).

In all three provinces 30-40% of women reported family income of 11000-20000 Yuan during their pregnancy (Table A14). The highest proportion of women with lowest income was in Shaan'xi while that with highest income was in Anhui.

In all three provinces 40-50% of the families spent an amount of 7,100-15,000 Yuan as a total cost of pregnancy (Table 15). About 17-40% spent 15,100 or more Yuan.

Overall, half of the women needed five or fewer minutes to reach the village clinic, but there were variations between the provinces (Table 16). In Anhui two-thirds of the women needed only five minutes and Shaan'xi only one-third of women. Overall, most women needed less than half an hour to reach the township hospital using public transportation (Table 17).

In all provinces most women were members of the New Co-operative Medical Scheme (NCMS) (Table 18).

In the three provinces 55% of those women who were a member of NCMS had applied for reimbursement for maternal health care. The most common reason not to apply was illegal pregnancy (Table A19a, A19b). Two-thirds of women in Anhui and only one-third in Chongqing applied for maternal care reimbursement from NCMS. The reasons for not applying were different in the three provinces. In Anhui most women did not apply because they did not know the procedure, they were migrants, or "other reasons". In Chongqing and Shaan'xi the most reported reasons were an illegal pregnancy and "other reasons".

In all three provinces most women did not know about the possibility to apply for reimbursement of prenatal and postnatal care but they knew about the reimbursement for hospital delivery (Table A20). However, compared with the other two provinces, more women in Chongqing knew about the reimbursement for prenatal and for postnatal care, but fewer knew about reimbursement for hospital delivery.

B Pregnancy

In all provinces half of the women had been pregnant before their latest child was born (Table B1a). One-third of women had had two pregnancies before their latest child (Table B1b). In Chongqing the proportion of these women was lowest. In the

three provinces, half of the women reported no pregnancies (Table B1a,b), spontaneous abortions (Table B1c) and stillbirths (Table B1d). In Shaan'xi the proportion of women with one and more induced abortions was the lowest.

In Anhui, the first child was more often a girl but the second and third child a boy (Table B1g1, B1g2, B1g3). In Chongqing the first, second and third child were more likely to be a male. In Shaan'xi the first one was more often a girl than a boy but the second and third babies were more likely to be boys. When combining answers from women and their relatives the information on the gender of first and second child was the same as asked from only women (Table B1g1r, B1g2r). But in Anhui and Chongqing the information on the gender of third child was slightly different from relatives than from women only (Table B1g3r).

In all provinces, most children were reported to be healthy at birth and at the time of the survey (Table B2a, B3a). In the three provinces the mean birth weight of the child was 3276g (range 1400-5250) (Table B4a).

Overall, mean gestational length was 39.2 weeks (range 28-49) (Table B5a). Around 5 percent of women had delivery at gestational age of less than 37 weeks. In Anhui more women than in other provinces had their delivery before 37 weeks. The lowest proportion of these women was found in Shaan'xi.

In Anhui and Chongqing about 80% of husbands lived together with the mother during the pregnancy (Table B6a). In Shaan'xi about one third of husbands lived elsewhere during the pregnancy.

Among all women, half had stopped working completely during pregnancy and one third worked as they had done before the pregnancy (Table B7. B7b). The rest of the women worked less heavily than previously. However, there were differences between the provinces. In Anhui and Chongqing, more than half of the women and in Shaan'xi, only one fourth of women stopped working completely during pregnancy. In Shaan'xi almost half worked until the last month of pregnancy. In all three provinces those who stopped working completely did it during the first month of pregnancy.

In all three provinces almost all women had prenatal visits (Table B8). Slightly less respondents among women and their relatives than among women only said that they had had prenatal visits (Table B8r). However, overall most women had their prenatal visits.

Most women had their first prenatal visit in the third month of pregnancy or later (Table B9). In all provinces around two-thirds had five or more prenatal visits in public health facilities. Overall, two thirds of the women had visits at county level with the highest proportion in Shaan'xi (79%) (Table B10a). Typically women had three or more visits at county level. Township health facilities were used differently in the three provinces. The highest utilization rate was in Anhui where almost the same amount of women had 1-4 visits and 5 or more visits. Almost half of the women in Shaan'xi had not used township hospital at all and if they used most of them had 1-4 visits. In Chongqing one fourth did not use township hospital and over

40% of those who used had 5 or more visits. Very few women had used other health care facilities during pregnancy (Table B11a).

In all provinces most women who visited township hospitals for prenatal care made the decision by themselves (84%) and one third on the advice of their family (Table B12). In Anhui the family often recommended to use townships hospital (44%). In Chongqing that proportion was smallest (19%). In Anhui, family planning workers and doctors at township level recommended women to have prenatal visits at township level. In Chongqing and Shaan'xi the role of medical staff in influencing women at different levels of health care facilities was less.

Overall, most women reported no or very few problems related to transportation, timing of prenatal visit, expenses, organization and content of prenatal visit (Table B13). Totally, 9% evaluated prenatal visits as useless and this was the case especially in Shaan'xi (13%).

In Shaan'xi half of the women and in Anhui and Chongqing one-third of the women visited county hospital on their own initiative (Table B14a).

In all provinces, during the prenatal visits most women were asked about health related problems, previous pregnancies and childbirth, and the length of pregnancy was checked (Table B15). Fewer women reported that they had been advised on nutrition, avoiding alcohol, smoking and hazardous substances. Most women had been counselled on assessing foetal movements, labour signs and in which situations to seek medical care. Mode of the delivery was discussed with most women with the exception of Shaan'xi when it had been discussed with only about half of the women.

Overall, during pregnancy, the mean number of measurements of the following were taken: blood pressure was 5.4 (range 0-36), urine tests 2 (range 0-17), blood test to check haemoglobin 1.4 (range 0-15), other blood tests 1.3 (range 0-15), palpation of the abdomen 5.3 (range 0-36), fetal heart rate 5.3 (range 0-36), and ultrasound 3.2 (range 0-15) (Table B15). In Anhui and Shaan'xi more than one third of the women had 4-6 blood pressure measurements during their pregnancy while in Chongqing one-third of women had seven and more measurements. In Chongqing almost half of women had one urine test while in Anhui and Shaan'xi two-thirds of women had two and more tests. In Chongqing the proportion of women without measurements to test anaemia was highest. In Anhui and Shaan'xi most women had at least one anaemia test. In Anhui and Chongqing more than one-third of women reported having six or more abdominal palpation and seven or more foetal heart rate assessments during pregnancy. In Shaan'xi fewer women reported the same frequency. In Anhui and Shaan'xi more than third of women and in Chongqing one fourth had four or more ultrasound examination.

In the Anhui and Chongqing two-thirds of the women received a maternity card and it was completed on every visit (Table B16a). However, in Shaan'xi almost half of the women did not get any maternity card.

In all three provinces half of the women had received some written material related to pregnancy and childbirth (Table B17a). Among those who did not get such material, half reported that they would have liked to have it (Table B17b).

In the three provinces more than half of the women reported good, or neither good nor bad, quality of prenatal visits at township hospital and at MCH station or at county hospitals (Table B18).

Of those who had used prenatal care at township hospital, more than half would recommend it to other women (Table B19). In Shaan'xi the proportion of women was highest and in Anhui and Chongqing slightly more than half would recommend prenatal care at the township hospital. Overall, of those reported to use prenatal care at county level almost two-thirds would recommend it to other women (Table B20). In Anhui and Chongqing slightly more than half and in Shaan'xi two-thirds of women would recommend the county level facilities.

Overall in the three provinces the mean cost for prenatal care was 488 Yuan (range 0-7000) (Table B21). The cost of prenatal care for women in Anhui and Shaan'xi was similar. Most women reported 600 Yuan or less. In Chongqing almost half of the women reported the cost for prenatal care of 200 Yuan or less.

Overall, only 7% of the women reported having reimbursement from the CHIMACA project; 4% in Anhui and 13% in Shaan'xi (Table B22a). In Chongqing no financial intervention was made and no-one reported to have had reimbursement.

In all provinces most women reported that neither CMS nor other insurance schemes had covered prenatal care cost (Table B23).

In all three provinces most women paid for prenatal care out of pocket (Table B25).

In all three provinces most women reported the costs of prenatal care to be reasonable (Table B26). In all provinces the proportion of those who thought the costs were high was about one-fourth.

Overall, only 11% of women or their relatives sought information from the Internet with the lowest proportion being in Shaan'xi (Table B28).

C Delivery

In the three provinces about half of the women gave birth at the county or higher level hospital and less than half at the township level hospital (Table C1a). However, there were differences between the provinces. In Anhui and Chongqing more than half reported to give birth in township hospital while in Shaan'xi most women delivered in county or higher level hospital. Homebirths were uncommon; and in Anhui no homebirth was reported. The results after combining answers from women and their relatives were the same as from women only (Table C1ar).

In Chongqing and Shaan'xi among those women who delivered at home the most common reason for this was a quick delivery (Table C2).

Overall, the most common assistant in the hospital delivery was a doctor (Table C3). The answers from relatives indicated the same results (Table C3r).

In the three provinces Caesarean section was almost as common a type of delivery as a non-assisted vaginal birth (Table C4a). In Anhui the proportion of women having Caesarean section was the highest and in Shaan'xi the lowest. In Shaan'xi two-thirds of women had a normal vaginal birth and in Anhui less than one-third. The answers from relatives indicated the same results (Table C4r).

Overall, the most common reason for Caesarean section was women's request, the second most common reason was doctor's recommendation and the third reason was emergency (Table C4b,c,d,e). However, there were large differences between the provinces. In Anhui half of the women wished to have C-section and one-third were advised by the doctors. In Chongqing the three most common reasons were equally common. In Shaan'xi almost half women reported that they were advised by the doctor and the rest remainder had emergency situations; only 8% had requested Caesarean section.

In the three provinces one-third of the decisions for Caesarean sections were made during pregnancy, half just before the delivery and 13% during the delivery (Table C5). Differences between the provinces were large: in Anhui most decisions were made during pregnancy or just before the delivery while in the two other provinces most were made just before the delivery.

In the three provinces half of the women reported to have no pain relief during the labour (Table C6a). In Chongqing and Shaan'xi one-third and one-fourth got some kind of pain relief. In Anhui most women did not answer this question.

In the three provinces the most common factors influencing choice of hospital were convenience, closeness, and safety (Table C7). In Anhui and Shaan'xi women believed that the care in the chosen hospital was better than in others. Additionally, in Anhui some women had chosen the hospital because they knew the doctor in the hospital.

In the three provinces almost half of the women delivered at county level hospital due to their own or their family members' decision (Table C8). However, almost half of the women did not answer this question.

In the three provinces doctors' recommendation for the women to stay in the hospital before delivery was rare and to stay after the delivery was common (Table C9a, C10a).

In the three provinces most women had assessed the skills of personnel and conditions during labour and their stay as good in both county and township level hospitals (Table C11a, C11b). Up to one-third of women said that the conditions were neither good nor bad (Table C11c, C11d). Most women said that the doctor's/midwife's behaviour was good, both in county and township hospitals (Table C11e).

Most women would recommend the hospital they delivered in; this was particularly high in Shaan'xi where women were very satisfied (Table C12). In

Chongqing, 17% were unsure and in Anhui one-third would not recommend the hospital.

In the three provinces the mean cost for delivery was 2328 (range 0-50000) Yuan (Table C13). In Anhui and Chongqing the delivery cost for most women was up to 3000 Yuan while in Shaan'xi the cost was slightly less, up to 2000 Yuan for most women.

Over 40% of all women did not receive any reimbursement from the CMS for delivery costs (Table C14). The mean amount of reimbursement was 322 (range 0-20000) Yuan. In Chongqing most women reported no reimbursement for delivery cost and the mean coverage for those who got it was 140 Yuan (range 0-1200). In Shaan'xi the proportion of women without reimbursement for delivery cost was almost half and the mean amount was 380 Yuan (range 0-4000). In Anhui one-fourth did not get any reimbursement and the mean amount was 325 Yuan (range 0-20000). In the three provinces no reimbursement was reported for delivery costs by other insurance company (Table C15).

Overall, 94% of women reported that they paid for different things related to delivery out of pocket (mean 2056, range 0-90000) (Table C16c). One-third thought that the costs were reasonable (Table C17). However, there were differences in the provinces. In Chongqing 40% of women thought that costs were too or far too high. In Anhui and Shaan'xi the proportions were 22% and 33%.

D Postnatal care

In the three provinces the mean number of postnatal visits during the first 42 days after delivery was 1 (range 0-13) (Table D1a). In Anhui more than half and in Shaan'xi half of women reported no postnatal visits. In Chongqing one-fourth had three or more postnatal visits and fewer women had only one visit. When combining answers from women and their relatives, the proportions were to when only women answered (Table D1ar).

Overall, two-thirds of women who received postnatal visits had at least one visit at home, 17% at county level, and 24% at township level hospital (Table D1). It was very uncommon to have postnatal visits at village clinic or other health care facilities. In Anhui it was not as common as in the other two provinces to have home visits and it was typical to have postnatal visits at township hospitals. In Shaan'xi 84% of women had postnatal visits at home and visits to hospitals were uncommon.

In the three provinces, postnatal visits included mostly discussion about mother's and child's well-being, advice about nutrition, hygiene, and baby care, checking blood pressure and temperature as well as baby's examination (Table D2). The next common items were palpating abdomen, advising about family planning and sexual relationships and breastfeeding, weighing the baby, and checking lochia. In Chongqing and Shaan'xi most women had their blood pressure and temperature checked while in Anhui these proportions were slightly less than half. In Chongqing

most women were checked for uterus involution and lochia, and had breast examination. In Anhui and Shaan'xi the proportion of these women was slightly more than half. In Chongqing and Shaan'xi most women were advised when to access health care, hygiene and nutrition. In Anhui advice on these topics were given less frequently. In Chongqing the proportion of women who received advice on family planning, sexual relationships and breastfeeding was higher than in the other two provinces. In Shaan'xi slightly more than half of women received this advice. In Chongqing and Shaan'xi most women reported that their baby was examined, weighed and they were given advice on baby care during postnatal visits. In Anhui these activities were less often done. In Anhui and Shaan'xi most women reported no telephone calls from health care workers.

Overall, 77% of women did not receive any information by telephone call for postnatal care, with the highest proportion in Anhui (83%) (Table D3a). In Chongqing slightly less than half women received at least one telephone call.

In the three provinces one-third of the women breastfed their babies within 24 hours after delivery with the lowest proportion in Shaan'xi and highest in Chongqing (Table D4a). The mean length of breastfeeding was 3.1 (range 0-11) months with the lowest being in Chongqing at mean 1.8 (range 0-8) months and highest in Anhui and Shaan'xi, mean 3.4 (range 0-11) months (Table D5).

Milk substitution was given to babies by half of the women (Table D6a). In Shaan'xi almost half of the women gave milk powder within 1-2 months, in Chongqing within 3-4 months and in Anhui within 5-6 months.

Among those whose babies had not yet been given any milk substitute, one-third planned to start within 5 months. In Chongqing more than half planned to give it within 1-5 month, in Anhui half of women and in Shaan'xi most of women planned to give it at age of 6 or more months.

In the three provinces most children were vaccinated with an average frequency of 5.5 times (Table D7a). In Anhui almost half and in Shaan'xi around one-third of women reported that their child had received seven or more vaccinations (Table D7b). In Chongqing one-third reported having had 3-4 vaccinations.

Overall, among women who had postnatal visits most thought that the care was good, or neither good nor bad (Table D8a,b,c).

The questions about postnatal costs (D9-D13) were poorly answered. But those who had paid something for postnatal care out of pocket said that the costs were reasonable (Table D9, D13).

List of questions

A Background characteristics

Migrant*

Legal pregnancy*

A5. How old are you*?

A6a. What is your education*?

A6b. How many years have you studied*?

A7. What is your occupation*?

A1b. Was your HUKOU* (%)

A2a. Where did you live in the first 3 months of pregnancy?

A3a. Where did you live in the last 3 months (26-40 weeks) of your pregnancy?

A4a. Where did you live when it was the time to deliver?

A8b. Was your husband's HUKOU?

A10a. What is the child's father education?

A10b. How many years has the child's father studied*?

A11. What is the child's father occupation?

A13. How many family members were in your family before the delivery*?

A14. What was the total annual family income during pregnancy?

A15. What was total annual expense of your family during your pregnancy?

A16. How long does it take from your home to the village clinic using public transportation?

A17. How long does it take from your home to the township hospital using public transportation?

A18. Have you been a member of the New Cooperative Medical Scheme (NCMS)?

A19a. If you have been a member of NCMS did you apply for maternal care reimbursement?

A19b. If you did not apply for maternal care reimbursement, what was the reason?

A20a. Do you know whether you can apply for reimbursement of prenatal care?

A20b. Do you know whether you can apply for reimbursement of hospital delivery?

A20c. Do you know whether you can apply for reimbursement of postnatal care?

B Pregnancy

B1a. Have you been pregnant before your (last) child was born?

B1b. How many pregnancies have you had?

B1c. How many spontaneous abortions have you had?

B1d. How many induced abortions have you had?

B1e. How many stillbirths have you had?

B1f. How many children do you have now*?

B1g1. What is the gender of your first child*?

* Questions were asked also form relatives

- B1g2. What is the gender of your second child*?
- B1g3. What is the gender of your third child*?
- B2a. Was your last child healthy at birth?
- B3a. Is your last child healthy now?
- B4a. What is the birth weight of your child?
- B4b. If weight is unknown, how big was your child at birth?
- B5a. What is the length of your pregnancy in weeks?
- B6a. When you were pregnant, did your husband live most of the time in the same home as you (%)?
- B7. Did you change your working activity during pregnancy?
- B7b. I worked less heavily than before pregnancy starting from
- B7c. I stopped working completely starting from
- B8. Have you had any prenatal (antenatal) visits to a doctor or midwife during your pregnancy*?
- B9. When did you have your first prenatal visit?
- B10a. How many prenatal visits have you had in public health facilities?
- B10b. How many prenatal visits have you had in county level public health facilities?
- B10c. How many prenatal visits have you had in township level public health facilities?
- B11a. How many prenatal visits have you had in some other health facilities?
- B11b. How many prenatal visits have you had in village clinic?
- B11c. How many prenatal visits have you had in township or higher level private hospital?
- B11c How many prenatal visits have you had at home?
- B12a. I made decision on visiting township hospital for prenatal care by myself
- B12b. My family advised to visit township hospital for prenatal care
- B12c. Village doctor advised to visit township hospital for prenatal care
- B12d. Village family planning worker or women's workers advised to visit township hospital for prenatal care
- B12e. Doctor in township hospital advised to visit township hospital for prenatal care
- B12f. Staff in township family planning station advised to visit township hospital for prenatal care
- B13. Have you had any problems during your prenatal care visits?
- B13a. The visit took too much time
- B13b. I had transportation problems
- B13c. The visit was too expensive
- B13d. My relatives did not want me to visit a doctor
- B13e. I had problems with childcare
- B13f. I had problems in organising the household
- * Questions were asked also form relatives

- B13g. I had to work
- B13h. The health care was poor
- B13i. The personnel were not kind
- B13j. The visits were useless
- B14a. Did you visit county hospital during pregnancy?
- B15a. During antenatal visits did somebody ask you about any problems?
- B15b. During antenatal visits did somebody check length of your pregnancy?
- B15c. During antenatal visits did somebody ask about previous pregnancies and childbirths?
- B15e. During antenatal visits did somebody advise on avoiding alcohol, smoking and hazardous substances?
- B15f. During antenatal visits did somebody give counselling on labour (signs of start, what to do, what to expect)?
- B15g. During antenatal visits did somebody discuss the mode of delivery?
- B15h. During antenatal visits did somebody advise in which situation to seek medical care?
- B15i. During antenatal visits did somebody advise on follow-up visits?
- B15j. During antenatal visits did somebody advise on assessing foetal movements?
- B15k. During antenatal visits how many times your blood pressure was measured?
- B15l. During antenatal visits how many times the urine test was made?
- B15m. During antenatal visits how many times blood test to test anaemia was made?
- B15o. During antenatal visits how many times abdomen investigations/palpation was made?
- B15p. How many times foetal heart rate was assessed?
- B15q. How many ultrasound examinations were made?
- B16a. Did you use maternity card during your pregnancy?
- B17a. Did you get any written material related to pregnancy and childbirth (booklets, leaflets, etc.) during pregnancy?
- B17b. If you did not get it would you like to get it?
- B18a. What was the quality of prenatal visits at township hospital?
- B18b. What was the quality of prenatal visits at MCH station or at county hospital?
- B19. Would you recommend a township level health care facility for prenatal visits?
- B20. Would you recommend a county level health care facility for prenatal visits?
- B21. How much did your prenatal care cost totally?
- B22a. Did you get reimbursement from CHIMACA project?
- B23. Did CMS cover your prenatal care cost?
- B24. Did another insurance or your employer cover your prenatal care costs?
- B25. How much did you pay by yourself for prenatal care?
- B25c. Payment for different items of prenatal care, Yuan
- * Questions were asked also form relatives

B26. If you or your family paid for prenatal care service by yourselves (partly or totally), do you think the price was

B28. Did you (your family members) search for any information related to pregnancy and childbirth from the Internet?

C Delivery

C1a. Where did you give birth*?

C2. Why did you deliver at home?

C3. Who assisted the delivery*?

C4a. What was the mode of delivery*?

C4. What was the reason for C-section?

C5. When was the decision for C-section made?

C6a. Did you get any pain relief during the delivery?

C7. What factors influenced your selection of the hospital?

C8. Why did you deliver at county hospital?

C9a. Did the doctor recommend you to stay in hospital before the delivery?

C10a. Did the doctor recommend you to stay in hospital after delivery?*

C11a. Professional skills during the labour and your stay in township hospital were

C11b. Professional skills during the labour and your stay in county level hospital were

C11c. Conditions in township hospital were

C11d. Conditions in county level hospital were

C11e. Doctor's/midwife's behaviour towards you in township hospital was

C11f. Doctor's/midwife's behaviour towards you in county level hospital was

C12. Would you recommend a hospital you delivered?

C13. How much did your delivery care cost totally?

C14. Did CMS cover your delivery care cost?

C15. Did other insurance or employer cover your delivery care cost?

C16. How much did you pay by yourself for delivery care?

C16c. Payment for different items of delivery care

C17. If you or your family paid for delivery care by yourselves (partly or totally), do you think the price was

D Postnatal care

D1a. How many postnatal visits did you have during first 42 days after delivery*?

D1. How many postnatal visits did you have during first 42 days after delivery...?

D1f. How many postnatal visits did you have in other health facility during first 42 days after delivery?

D2. Did health care worker ...*(%)

D3a. If you received information from health care workers only by phone how many calls did you get?

* Questions were asked also form relatives

- D4a. When did you breastfeed your baby for the first time?
- D5. How long did you only breastfeed?
- D6a. Did you start to give milk substitute to your baby?
- D7a. Did your baby get vaccination?
- D7b. How many times did your baby get vaccination?
- D8a. During postnatal visits at home care was
- D8b. During postnatal visits at township hospital care was
- D8c. During postnatal visits at MCH station or at county hospital care was
- D9. How much did your postnatal care cost totally?
- D13. If you or your family paid for postnatal care by yourselves (partly or totally), do you think the price was

* Questions were asked also form relatives

Tables

A Background characteristics

Migrant, %

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
migrant	15.8	14.9	13.1	14.5
not a migrant	84.2	85.1	86.9	85.5
Total	100	100	100	100

Migrant*, %

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
migrant	16.0	14.1	13.1	14.4
not a migrant	84.0	85.9	86.9	85.6
Total	100	100	100	100

* Answers from women and their relatives

Legal pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
legal	98.6	60.3	73.0	81.7
illegal	1.4	39.7	27.0	18.3
Total	100	100	100	100

Legal pregnancy *(%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
legal	98.5	63.0	73.6	81.6
illegal	1.5	37.0	26.4	18.4
Total	100	100	100	100

* Answers from women and their relatives

Table A5. How old are you (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	27.4	26.9	26.6	27.0
max-min	18-45	18-45	18-43	18-45
18-24	37.4	45.6	40.6	40.0
25-34	50.5	41.7	52.5	50.1
35-45	12.1	12.7	6.9	9.9
Total	100	100	100	100

Table A5r. How old are you/the mother is*(%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
mean	27.4	26.3	26.5	26.8
max-min	18-45	18-45	18-50	18-50
18-24	37.5	49.0	41.1	41.1
25-34	50.6	40.4	52.0	49.3
35-45	11.9	10.6	6.8	9.5
missing	0	0	0.1	0.1
Total	100	100	100	100

* Answers from women and their relatives

Table A6a. What is your education (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
illiterate or semi-illiterate	11.5	1.7	2.0	5.9
primary school	16.9	20.3	13.7	16.0
middle school	60.0	61.8	64.9	62.4
high school	9.3	8.8	10.7	9.8
college or higher	2.3	3.9	3.7	3.2
missing	0	3.5	5.0	2.7
Total	100	100	100	100

A6b. How many years have you studied (%)?*

0 years	4.1	1.7	2.0	2.8
1-6 years	21.6	21.9	15.6	19.0
7-9 years	62.0	62.9	67.6	64.6
10-12 years	10.1	8.8	11.0	10.3
13+ years	2.2	4.0	3.7	3.2
missing	0	0.7	0.1	0.1
Total	100	100	100	100

Table A6ar. What is your/mother's education (%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
illiterate or semi-illiterate	11.7	1.9	2.1	5.8
primary school	16.5	19.3	14.2	16.0
middle school	60.3	61.3	64.4	62.2
high school	9.1	9.6	10.4	9.8
college or higher	2.4	4.0	3.9	3.3
missing	0	4.0	5.1	2.9
Total	100	100	100	100

* Answers from women and their relatives

Table A7. What is your occupation (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
farmer (agriculture, forestry, animal husbandry and fishery)	23.2	28.7	40.7	31.7
labourer in the city	34.5	34.0	23.7	29.7
rural farmer labourer	15.1	7.0	23.5	17.6
unemployed or semi-unemployed in urban or rural area	11.0	18.6	5.7	9.8
industrialist without agricultural residence registration	0.4	0.6	0.2	0.3
private householder	7.0	5.0	2.4	4.7
other	8.8	6.1	3.8	6.2
Total	100	100	100	100

Table A7r. What is your/mother's occupation (%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
farmer (agriculture, forestry, animal husbandry and fishery)	23.6	24.9	40.7	31.7
labourer in the city	34.4	38.7	23.8	30.7
rural farmer labourer	14.9	7.3	23.1	17.1
unemployed or semi-unemployed in urban or rural area	10.9	17.1	5.8	9.8
industrialist without agricultural residence registration	0.4	0.6	0.2	0.3
private householder	6.8	5.4	2.5	4.7
other	9.0	6.0	3.9	6.3
Total	100	100	100	100

* Answers from women and their relatives

Table A1b. Was your HUKOU (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
urban HUKOU	6.3	9.2	3.9	5.7
rural HUKOU	93.5	90.8	96.1	94.2
I do not know	0.2	0	0	0.1
Total	100	100	100	100

Table A1br. Was your/mother's HUKOU*(%)

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
urban HUKOU	6.3	8.7	4.0	5.8
rural HUKOU	93.5	91.3	95.9	94.1
I do not know	0.2	0	0.1	0.1
Total	100	100	100	100

* Answers from women and their relatives

Table A2a. Where did you live in the first 3 months of pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shanxi (n=1614)	Total (n=3673)
the same township where your HUKOU was registered	68.4	58.7	71.1	68.2
different township but same county	5.1	2.9	3.7	4.2
different county	26.4	38.4	25.2	27.6
I do not know	0.1	0	0	0
Total	100	100	100	100

Table A3a. Where did you live in the last 3 months (26-40 weeks) of your pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shanxi (n=1614)	Total (n=3673)
the same township where your HUKOU was registered	76.0	78.3	82.1	79.0
different township but same county	5.0	4.4	4.0	4.5
different county	18.9	17.3	13.9	16.4
I do not know	0.1	0	0	0.1
Total	100	100	100	100

Table A4a. Where did you live when it was the time to deliver (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shanxi (n=1614)	Total (n=3673)
the same township where your HUKOU was registered	75.6	77.9	78.7	77.3
different township but same county	7.4	6.4	7.7	7.4
different county	17	15.7	13.6	15.3
I do not know	0	0	0	0
Total	100	100	100	100

Table A8b Was your husband's HUKOU (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
urban HUKOU	6.9	7.7	4.6	6.0
rural HUKOU	92.5	91.5	95.3	93.6
I do not know	0.5	0.6	0	0.3
missing	0.1	0.2	0.1	0.1
Total	100	100	100	100

Table A10a. What is the child 's father education (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
illiterate or semi-illiterate	3.6	0.7	0.6	1.9
primary school	11.3	14.9	8.5	10.6
middle school	66.8	66.5	69.5	68.0
high school	14.1	11.9	12.1	12.9
college or higher	4.2	4.1	5.6	4.7
missing	0	1.9	3.7	1.9
Total	100	100	100	100

A10b. How many years has the child's father studied (%)?*

0 years	1.1	0.9	0.4	0.8
1-6 years	12.9	14.9	10.4	12.1
7-9 years	66.7	67.3	70.7	68.6
10-12 years	15.5	11.9	12.8	13.7
13+ years	3.8	4.3	5.5	4.6
missing	0	0.7	0.2	0.2
Total	100	100	100	100

Table A11. What is the child's father occupation (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
farmer (agriculture, forestry, animal husbandry and fishery)	15.4	20.2	16.6	16.6
labourer in the city	33.0	44.7	35.2	35.7
farmer	21.1	11.3	33.1	24.9
unemployed or semi-unemployed in urban or rural area	1.5	2.6	0.5	1.2
industrialist without agricultural residence registration	0.9	0.7	0.6	0.7
private householder	12.3	7.9	5.6	8.7
attendant in tertiary industry	1.8	3.3	0.7	1.6
governor in state agency or institution	3.6	1.5	2.9	3.0
senior or secondary executive in large or medium enterprise (not the owner)	0.3	0.4	0	0.2
owner of private enterprise	0.9	0.4	0.2	0.5
professional technical personnel	9.0	6.2	4.0	6.4
other	0.2	0.8	0.6	0.5
Total	100	100	100	100

Table A13. How many family members were in your family before the delivery (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
1-3	33.5	23.2	24.3	27.9
4-5	57.3	61.6	56.8	57.6
6+	9.2	14.8	18.3	14.1
I do not know	0	0.2	0.1	0.1
missing	0	0.2	0.5	0.3
Total	100	100	100	100

Table A13r. How many family members were in your family before the delivery*(%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
1-3	33.8	23.9	23.9	27.8
4-5	56.7	61.4	56.9	57.6
6+	9.4	14.2	18.6	14.1
I do not know	0.1	0.4	0.4	0.4
missing	0	0.1	0.2	0.1
Total	100	100	100	100

* Answers from women and their relatives

Table A14. What was the total annual family income during pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
1000-10000	17.0	21.7	40.1	27.9
11000-20000	30.5	38.1	37.2	34.5
21000+	42.8	26.5	15.1	28.2
I do not know	9.6	13.4	7.6	9.3
missing	0.1	0.3	0	0.1
Total	100	100	100	100

Table A15. What was total expenditure of your family during your pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
7000 and less	9.5	10.8	26.0	16.9
7100-15000	40.2	49.3	49.1	45.5
15100+	39.7	27.0	17.0	27.8
I do not know	10.6	12.7	7.9	9.7
missing	0	0.2	0	0.1
Total	100	100	100	100

Table A16. How long does it take from your home to the village clinic using public transportation (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
5 or less minutes	63.6	27.4	45.7	50.3
6-10 minutes	18.0	30.9	21.6	21.5
11+ minutes	18.4	33.2	32.5	26.8
missing	0	8.5	0.2	1.4
Total	100	100	100	100

Table A17. How long does it take from your home to the township hospital using public transportation (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
10 or less minutes	39.5	32.0	24.1	31.6
11-20 minutes	32.2	25.9	27.2	29.0
21-30 minutes	20.7	23.3	29.1	24.8
31+ minutes	7.3	18.8	19.4	14.4
missing	0.3	0	0.2	0.2
Total	100	100	100	100

Table A18. Have you been a member of the New Cooperative Medical Scheme (NCMS) (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	84.0	70.6	86.1	82.9
no	15.2	28.5	13.6	16.5
I do not know	0.8	0.9	0.2	0.6
missing	0	0	0.1	0
Total	100	100	100	100

Table A19a. If you have been a member of NCMS did you apply for maternal care reimbursement (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	71.2	32.9	47.3	55.1
no	11.6	36.8	38.0	26.9
I do not know	1.2	1.1	0.9	1.0
missing	16.0	29.2	13.8	17.0
Total	100	100	100	100

A19b. If you did not apply for maternal care reimbursement, what was the reason (%)?*

	(n=151)	(n=200)	(n=576)	(n=927)
illegal pregnancy	4.6	66.0	53.0	47.9
birth out of wedlock	4.0	5.0	3.1	3.7
migrant	23.2	5.0	3.5	7.0
I do not know the procedure of reimbursement	33.8	8.0	8.9	12.7
other reason	34.4	16.0	31.5	28.7
Total	100	100	100	100

*Only those who did not apply for reimbursement are included

Table A20. Do you know whether you can apply for reimbursement of...(%)?

A20a ...prenatal care				
	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	1.8	36.4	4.2	8.0
no	82.1	41.0	79.1	74.7
missing	16.1	22.6	16.7	17.3
Total	100	100	100	100
A20b ...hospital delivery				
yes	75.6	48.9	70.4	69.3
no	8.4	28.5	13.0	13.4
missing	16.0	22.6	16.6	17.3
Total	100	100	100	100
A20c ...postnatal care				
yes	1.4	25.4	2.0	5.2
no	82.6	52.0	81.4	77.5
missing	16.0	22.6	16.6	17.3
Total	100	100	100	100

B Pregnancy

Table B1a. Have you been pregnant before your (last) child was born (%)?

	Anhui (n=1515)	Chongqing (n=543)	Shaan'xi (n=1614)	Total (n=3672)
yes	51.0	55.2	49.8	51.1
no	49.0	44.8	50.2	48.9
Total	100	100	100	100
B1b. How many pregnancies have you had (%)?				
	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
0	0.4	0.2	0.1	0.2
1	11.4	28.3	2.5	10.0
2	27.8	18.8	37.6	30.7
3 and more	11.5	7.9	9.7	10.2
missing	48.9	44.9	50.2	48.9
Total	100	100	100	100

B1c. How many spontaneous abortions have you had (%)?				
	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
0	43.2	49.1	42.9	43.9
1 and more	7.9	6.1	6.9	7.2
missing	48.9	44.8	50.2	48.9
Total	100	100	100	100
B1d. How many induced abortions have you had (%)?				
0	28.4	31.8	40.6	34.3
1	17.8	15.8	7.3	12.9
2 and more	4.9	7.5	1.9	3.9
missing	48.9	44.9	50.2	48.9
Total	100	100	100	100
B1e. How many stillbirths have you had (%)?				
0	49.4	52.9	49.1	49.8
1 and more	1.7	2.0	0.7	1.3
missing	48.9	45.1	50.2	48.9
Total	100	100	100	100
1f. How many children do you have now (%)?				
1	68.0	60.8	58.2	62.6
2	31.5	37.4	39.7	36.0
3 and more	0.5	1.8	2.1	1.4
Total	100.0	100	100	100

Table B1fr. How many children do you/ the mother have now*(%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
1	68.5	64.4	58.7	63.6
2	30.9	34.2	39.2	35.0
3 and more	0.6	1.3	2.0	1.3
missing	0	0.1	0.1	0.1
Total	100	100	100	100

* Answers from women and their relatives

Table B1g. What is the gender of ...(%)?

B1g1 ...your first child?				
	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
boy	40.9	54.2	48.1	46.0
girl	59.1	45.4	51.8	53.9
missing	0	0.4	0.1	0.1
Total	100	100	100	100
B1g2 ...your second child?*				
	(n=477)	(n=203)	(n=641)	(n=1321)
boy	52.6	56.7	56.8	55.3
girl	45.9	42.8	43.2	44.1
missing	1.5	0.5	0	0.6
Total	100	100	100	100
B1g3 ...your third child?**				
	(n=8)	(n=9)	(n=34)	(n=51)
boy	62.5	66.7	52.9	56.9
girl	37.5	33.3	47.1	43.1
Total	100	100	100	100

* Only those who have second child are included; ** Only those who have three children are included

Table B1gr. What is the gender of ...(%)?

B1g1r ...the first child?				
	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
boy	40.9	53.4	48.0	46.2
girl	59.1	46.3	51.8	53.7
missing	0	0.3	0.2	0.1
Total	100	100	100	100
B1g2r ...the second child?*				
	Anhui (n=496)	Chongqing (n=248)	Shaan'xi (n=698)	Total (n=1442)
boy	52.4	55.2	55.6	54.4
girl	46.2	44.4	44.3	44.9
missing	1.4	0.4	0.1	0.7
Total	100	100	100	100

Table B1gr. What is the gender of ...(%)? (continued)

B1g3r ...the third child?*				
	Anhui (n=9)	Chongqing (n=10)	Shaan'xi (n=34)	Total (n=53)
boy	55.6	60.0	52.9	54.7
girl	44.4	40.0	47.1	45.3
Total	100	100	100	100

¹ Answers from women and their relatives; * Only those who have second child are included; ** Only those who have three and more children are included

Table B2a. Was your last child healthy at birth (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	97.5	97.2	95.5	96.6
no	2.5	2.2	4.3	3.2
I do not know	0	0.4	0	0.1
missing	0	0.2	0.2	0.1
Total	100	100	100	100

Table B3a. Is your last child healthy now (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	87.4	96.1	96.9	92.9
no	12.6	2.4	2.7	6.7
I do not know	0	0.6	0.1	0.1
missing	0	0.9	0.3	0.3
Total	100	100	100	100

Table B4a. What is the birth weight of your child (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	3347	3188	3239	3276.4
range	1750-5250	2000-4750	1400-4700	1400-5250
2500 and less	4.1	7.9	5.3	5.2
2501-3000	22.5	28.3	28.8	26.1
3001-3500	43.1	44.3	42.4	43.0
3501+	30.3	17.8	22.2	24.9
missing	0	1.7	1.3	0.8
Total	100	100	100	100

B4b. If weight is unknown, how big was your child at birth?*				
	(n=0)	(n=5)	(n=19)	(n=24)
very small	0	0	0	0
somewhat small	0	20.0	15.8	16.7
ordinary	0	80.0	73.7	75.0
somewhat large	0	0	10.5	8.3
very large	0	0	0	0
Total	0	100	100	100

* Only those who did not know the birth weight of the child are included

Table B5a. What is the length of your pregnancy in weeks (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	39.0	38.6	39.8	39.2
range	32-49	28-42	29-46	28-49
under 37 weeks	8.8	5.9	2.3	5.5
37-40	84.7	66.0	46.0	64.9
41+	6.5	10.3	24.1	14.8
missing	0	17.8	27.6	14.8
Total	100	100	100	100

Table B6a. When you were pregnant, did your husband live most of the time in the same home as you (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	83.2	79.0	63.5	73.9
no	16.5	20.4	34.8	25.1
other	0.1	0.4	0	0.1
missing	0.2	0.2	1.7	0.9
Total	100	100	100	100

Table B7. Did you change your working activity during pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
No, I worked the same as before the pregnancy until the last month of pregnancy or delivery	23.1	19.3	45.4	32.3
I worked less heavily than before pregnancy	12.1	17.2	30.8	21.2
I stopped working completely	64.8	63.1	23.6	46.4
missing	0	0.4	0.2	0.1
Total	100	100	100	100

Table B7b. I worked less heavily than before pregnancy starting from...* (%)

	Anhui (n=184)	Chongqing (n=94)	Shaan'xi (n=497)	Total (n=775)
1st month	47.3	26.6	22.3	28.8
2nd month	12.0	18.1	25.6	21.4
3rd and more	40.7	54.2	51.3	49.2
missing	0	1.1	0.8	0.6
Total	100	100	100	100

*Only those who decreased their working activity are included

Table B7c. I stopped working completely starting from...* (%)

	Anhui (n=981)	Chongqing (n=343)	Shaan'xi (n=382)	Total (n=1706)
1st month	51.9	58.0	60.2	55.0
2nd month	17.1	14.0	7.9	14.4
3rd and more	30.2	27.1	30.6	29.7
missing	0.8	0.9	1.3	0.9
Total	100	100	100	100

*Only those who stopped working are included

Table B8. Have you had any prenatal (antenatal) visits to a doctor or midwife during your pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	99.0	98.3	98.9	98.8
no	1.0	1.3	1.1	1.1
missing	0.0	0.4	0.0	0.1
Total	100	100	100	100

Table B8r. Have you/the mother had any prenatal (antenatal) visits to a doctor or midwife during pregnancy*(%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
yes	97.8	91.4	96.9	96.3
no	0.1	0.9	0.1	0.2
missing	2.1	7.7	3.0	3.5
Total	100	100	100	100

* Answers from women and their relatives

Table B9. When did you have your first prenatal visit (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
1st month	10.4	10.8	9.9	10.3
2nd month	22.5	25.3	23.9	23.5
3rd month	31.4	35.8	41.2	36.3
4th month	12.9	11.4	10.1	11.5
5th month	12.3	5.7	7.3	9.1
6th month and more	8.2	6.8	5.2	6.7
missing	2.3	4.2	2.4	2.6
Total	100	100	100	100

Table B10. How many prenatal visits have you had ...(%)?

B10a ...in public health facilities				
	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no visits	0.3	0.9	0.8	0.6
1-4 visits	30.3	28.2	32.0	30.7
5 and more visits	68.4	68.9	65.9	67.4
missing	1.0	2.0	1.3	1.3
Total	100	100	100	100
B10b ...in county level public health facilities?				
no visits	42.1	39.7	19.6	31.9
1-2 visits	25.2	24.1	22.6	23.9
3+ visits	31.6	34.4	56.3	42.8
missing	1.1	1.8	1.5	1.4
Total	100	100	100	100
B10c ...in township level public health facilities?				
no visits	15.8	25.2	44.6	29.9
1-4 visits	43.4	32.5	34.4	37.8
5+ visits	39.7	40.6	19.4	30.9
missing	1.1	1.7	1.6	1.4
Total	100	100	100	100

Table B11. How many prenatal visits have you had ...(%)?

B11a ...in some other health facilities				
	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no visits	97.3	97.4	90.8	94.5
at least 1 visit	1.7	0.9	7.2	4.0
missing	1.0	1.7	2.0	1.5
Total	100	100	100	100
B11b ...in village clinic?				
no visits	98.3	97.4	2.5	56.1
at least 1 visit	0.7	0.9	5.1	2.7
missing	1.0	1.7	92.4	41.2
Total	100	100	100	100
B11c ...in township or higher level private hospital?				
no visits	98.0	98.3	6.3	57.7
at least 1 visit	1.0	0.2	1.6	1.1
missing	1.0	1.5	92.1	41.2
Total	100	100	100	100
B11c ...at home?				
no visits	99.0	98.3	6.1	58.1
at least 1 visit	0	0	1.6	0.7
missing	1.0	1.7	92.3	41.2
Total	100	100	100	100

Table B12. The decision to visit township hospital for prenatal care was made*(%)

B12a ...by myself	Anhui (n=1259)	Chongqing (n=398)	Shaan'xi (n=868)	Total (n=2525)
yes	84.5	89.9	80.6	84.0
no	15.5	9.8	9.4	12.5
missing	0	0.3	10	3.5
Total	100	100	100	100
B12b. My family advised to visit*				
yes	44.0	18.8	25.5	33.7
no	56.0	80.9	64.5	62.8
missing	0	0.3	10.0	3.5
Total	100	100	100	100
B12c. village doctor advised to visit*				
yes	5.4	6.7	14.2	8.6
no	94.6	93.0	75.8	87.9
missing	0	0.3	10.0	3.5
Total	100	100	100	100
B12d. Village family planning worker or women's workers advised*				
yes	23.2	1.7	2.8	12.8
no	76.8	98.0	87.2	83.7
missing	0	0.3	10.0	3.5
Total	100	100	100	100
B12e. Doctor in township hospital advised to visit*				
yes	19.6	10.1	5.3	13.2
no	80.4	89.6	84.7	83.3
missing	0	0.3	10	3.5
Total	100	100	100	100
B12f. Staff in township family planning station advised to visit*				
yes	3.7	0.7	0.5	2.1
no	96.3	99.0	89.5	94.4
missing	0	0.3	10	3.5
Total	100	100	100	100

* Only those who had prenatal visits at township hospital are included

Table B13. Have you had any problems during your prenatal care visits (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
B13a. The visit took too much time				
yes	7.1	9.7	7.4	7.6
no	91.9	88.6	91.4	91.2
I do not know	0	0	0.1	0.1
missing	1.0	1.7	1.1	1.1
Total	100	100	100	100
B13b. I had transportation problems				
yes	12.1	12.1	10.5	11.4
no	86.9	86.4	88.3	87.4
I do not know	0	0	0.1	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B13c. The visit was too expensive				
yes	7.2	7.2	8.5	7.8
no	91.8	91.3	89.8	90.9
I do not know	0	0	0.6	0.2
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B13d. My relatives did not want me to visit a doctor				
yes	1.7	3.1	0.7	1.4
no	97.3	95.4	98.0	97.4
I do not know	0	0	0.2	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B13e. I had problems with childcare				
yes	3.9	1.8	3.6	3.5
no	95.1	96.7	95.2	95.3
I do not know	0	0	0.1	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
B13f. I had problems in organising the household				
yes	3.7	2.8	4.4	3.8
no	95.3	95.7	94.4	95.0
I do not know	0	0	0.1	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B13g. I had to work				
yes	1.8	1.8	2.1	1.9
no	97.1	96.7	96.7	96.9
I do not know	0.1	0	0.1	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B13h. The health care was poor				
yes	3.9	1.5	1.1	2.3
no	95.0	97.1	97.7	96.5
I do not know	0.1	0	0.1	0.1
missing	1.0	1.4	1.1	1.1
Total	100	100	100	100
B13i. The personnel were not kind				
yes	3.7	1.7	1.7	2.5
no	95.2	96.8	97.1	96.3
I do not know	0.1	0	0.1	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B13j. The visits were useless				
yes	6.5	2.9	13.4	9.0
no	92.4	95.6	85.4	89.8
I do not know	0.1	0	0.1	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100.0

Table B14a. Did you visit county hospital during pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no	47.9	45.6	28.9	39.2
yes, on advise of township doctor/midwife	6.3	8.1	7.2	7.0
yes, own initiative	37.4	38.8	53.5	44.7
yes, other reasons	7.4	5.1	3.9	5.5
missing	1.0	2.4	6.5	3.6
Total	100	100	100	100

Table B15. During antenatal visits did somebody ...(%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
B15a ... ask you about any problems?				
yes	90.6	94.1	93.6	92.4
no	8.4	4.4	5.0	6.4
I do not remember	0	0	0.3	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15b ...check length of your pregnancy?				
yes	96.8	94.7	96.4	96.3
no	2.2	3.8	2.3	2.5
I do not remember	0	0	0.2	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15c ...ask about previous pregnancies and childbirths?				
yes	91.6	93.9	94.2	93.1
no	7.4	4.4	4.5	5.7
I do not remember	0	0.2	0.2	0.1
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15d ...advise you on nutrition?				
yes	81.7	89.2	81.6	82.7
no	17.3	8.6	16.7	15.8
I do not remember	0	0.7	0.6	0.4
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100

Table B15. During antenatal visits did somebody ...(%)? (continued)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
B15e ...advise on avoiding alcohol, smoking and hazardous substances?				
yes	77.3	88.6	72.7	77.0
no	21.7	9.7	25.6	21.6
I do not remember	0	0.2	0.6	0.3
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15f ...give counselling on labour (signs of start, what to do, what to expect)?				
yes	71.3	86.4	76.7	75.9
no	27.7	11.9	21.6	22.7
I do not remember	0	0.2	0.6	0.3
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15g ...discuss the mode of delivery?				
yes	77.5	87.1	56.1	69.5
no	21.5	11	41.1	28.6
I do not remember	0	0.4	1.7	0.8
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15h ...advise in which situation to seek medical care?				
yes	88.3	89.5	75.3	82.8
no	10.6	8.3	22.2	15.4
I do not remember	0	0.7	1.4	0.7
missing	1.1	1.5	1.1	1.1
Total	100	100	100	100
B15i ...advise on follow-up visits?				
yes	85.3	92.1	65.4	77.6
no	13.7	5.8	33.0	21.0
I do not remember	0	0.6	0.4	0.3
missing	1.0	1.5	1.2	1.1
Total	100	100	100	100

B15j ...advise on assessing foetal movements?				
yes	80.4	90.4	87.6	85.1
no	18.6	7.4	10.7	13.4
I do not remember	0	0.7	0.6	0.4
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100

Table B15. During antenatal visits how many times ...(%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	5.6	5.7	5.1	5.4
range	0-36	0-20	0-20	0-36
no measurement	1.7	3.1	1.7	2.0
1-3 times	27.1	27.0	28.2	27.6
4-6 times	39.1	27.6	42.8	39.0
7+ times	31.1	38.8	25.3	29.6
I do not remember	0	2	0.9	0.7
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15l ...the urine test was made?				
mean	2.1	1.3	2.2	2.0
range	0-17	0-10	2-12	0-17
no measurement	10.5	19.3	6.0	9.8
1	28.7	44.5	25.0	29.4
2	30.7	24.6	34.6	31.5
3+	29.1	8.6	31.6	27.2
I do not remember	0	1.5	1.7	1.0
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100

Table B15. During antenatal visits how many times ...(%)? (continued)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
B15m ...blood test to test anaemia was made?				
mean	1.5	1.1	1.5	1.4
range	0-15	0-12	0-11	0-15
no measurement	17.9	31.2	22.5	21.9
1	42.2	39.5	34.6	38.5
2+	38.9	26.5	40.0	37.5
I do not remember	0	1.3	1.8	1.0
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15n ...other blood tests were made?				
mean	1.3	1.1	1.5	1.3
range	0-15	0-13	0-11	0-15
no measurement	26.9	24.6	19.9	23.5
1	38.7	49.8	40.3	41.1
2+	33.4	22.6	37.1	33.4
I do not remember	0	1.5	1.5	0.9
missing	1.0	1.5	1.2	1.1
Total	100	100	100	100
B15o ...abdomen palpation was made?				
mean	5.4	5.9	5.0	5.3
range	0-36	0-16	0-20	0-36
no	2.6	2.6	2.4	2.5
1-3	26.7	22.7	29.2	27.3
4-5	28.4	22.1	31.8	28.9
6+ times	41.3	48.3	34.2	39.2
I do not remember	0	2.8	1.3	1.0
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100

Table B15. During antenatal visits how many times ...(%)? (continued)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
B15p. How many times foetal heart rate was assessed?				
mean	5.5	5.8	5.0	5.3
range	0-36	0-16	0-20	0-36
no measurements	1.7	2.4	1.7	1.8
1-3	26.9	24.8	30.3	28.0
4-6	38.9	30.8	42.8	39.5
7+	31.5	38.1	23.4	28.9
I do not remember	0	2.4	0.7	0.7
missing	1.0	1.5	1.1	1.1
Total	100	100	100	100
B15q. How many ultrasound examinations were made?				
mean	3.3	2.9	3.3	3.2
range	0-15	0-10	0-11	0-15
no measurements	1.1	0.9	0.4	0.8
1	8.6	11.3	6.4	8.0
2-3	50.7	58.6	56.1	54.3
4+	38.6	26.8	35.6	35.5
I do not remember	0	0.7	0.4	0.3
missing	1.0	1.7	1.1	1.1
Total	100	100	100	100

Table B16a. Did you use maternity card during your pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no, I did not get a card	9.6	11.4	44.2	25.2
no, I got a card but I did not use it	0.8	1.8	1.2	1.1
yes, I got a card but it was not filled in every visit	4.2	7.1	7.0	5.9
yes, I got a card and it was filled in every visit	82.1	73.0	44.2	64.1
I do not know because the card was kept in the hospital	2.0	4.6	1.7	2.2
Other	0.3	0.6	0.3	0.3
missing	1.0	1.5	1.4	1.2
Total	100	100	100	100

Table B17a. Did you get any written material related to pregnancy and childbirth (booklets, leaflets, etc.) during pregnancy (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	57.6	51.6	51.2	53.9
no	40.2	44.5	47.4	44.0
I do not know	1.2	2.2	0.2	0.9
missing	1.0	1.7	1.2	1.2
Total	100	100	100	100

B17b. If you did not get it would you like to get it?*

	Anhui (n=609)	Chongqing (n=242)	Shaan'xi (n=765)	Total (n=1616)
yes	59.4	59.1	80.8	69.5
no	26.8	14.5	13.1	18.4
I do not know	13.6	18.1	3.4	9.5
missing	0.2	8.3	2.7	2.6
Total	100	100	100	100

*Only those who did not get material are included)

Table 18. What was the quality of prenatal visits ...(%)

	Anhui (n=1259)	Chongqing (n=398)	Shaan'xi (n=868)	Total (n=2525)
B18a ...at township hospital?*				
very good	9.7	3.8	2.5	6.3
good	61.2	71.6	57.7	61.7
neither good nor bad	25.4	22.4	35.5	28.4
bad	1.7	1.3	2.0	1.7
very bad	0.8	0.5	0.3	0.6
I did not use prenatal care	1.2	0.5	2.0	1.3
Total	100	100	100	100

*Only those who had prenatal visits at township hospital are included;

Table 18. What was the quality of prenatal visits ... (%) (continued)

B18b ...at MCH station or at county hospital?*				
	Anhui (n=861)	Chongqing (n=318)	Shaan'xi (n=1272)	Total (n=2451)
very good	11.3	8.2	2.1	6.1
good	58.5	61.0	68.2	64.0
neither good nor bad	21.7	21.4	23.4	22.6
bad	1.4	2.5	3.9	2.93
very bad	0.7	0	0.2	0.3
I did not use prenatal care	6.5	6.0	2.1	4.1
missing	0	0.9	0.1	0.2
Total	100	100	100	100

**Only those who had prenatal visits at county level hospital are included

Table B19. Would you recommend a township level health care facility for prenatal visits (%)?*

	Anhui (n=1259)	Chongqing (n=398)	Shaan'xi (n=868)	Total (n=2525)
yes	59.8	57.5	71.3	63.4
no	31.1	25.6	19.6	26.3
I do not know	8.1	13.1	7.3	8.6
I did not use prenatal care	1.0	3.8	1.7	1.7
missing	0	0	0.1	0.1
Total	100	100	100	100

*Only those who had prenatal visits at township hospital are included

Table B20. Would you recommend a county level health care facility for prenatal visits (%)?*

	Anhui (n=861)	Chongqing (n=318)	Shaan'xi (n=1272)	Total (n=2451)
yes	54.5	53.8	76.3	65.7
no	33.3	23.3	16.1	23.1
I do not know	8.2	16.7	5.9	8.1
I did not use prenatal care	3.9	6.0	1.4	2.0
missing	0	0.3	0.2	0.2
Total	100	100	100	100

*Only those who had prenatal visits at county level hospital are included

Table B21. How much did your prenatal care cost totally (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	525	339	501	487.7
range	0-6500.0	0-3000	0-7000	0-7000
200 and less	27.3	45.0	29.4	30.8
201-350	20.6	15.4	19.5	19.4
351-600	25.3	18.9	23.0	23.3
601+	20.0	11.3	21.1	19.3
I do not know	1.5	2.9	3.3	2.5
I do not remember	4.3	5.0	2.5	3.6
missing	1.0	1.5	1.2	1.1
Total	100	100.0	100	100

Table B22a. Did you get reimbursement from CHIMACA project (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	3.8	0	13.1	7.4
no	12.7	0	76.9	39.0
I do not know	82.9	0	1.4	34.8
I do not remember	0.6	0	0.2	0.3
missing	0	100	8.4	18.5
Total	100	100	100	100

Table B23. Did CMS cover your prenatal care cost (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no reimbursement	98.5	80.3	95.0	94.2
500 or less Yuan	0.3	10.3	0.5	1.9
I do not know	1.1	4.3	2.4	2.2
I do not remember	0.1	2.0	0.2	0.4
missing	0	3.1	1.9	1.3
Total	100	100	100	100

Table B24. Did another insurance or your employer cover your prenatal care costs (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no reimbursement	98.8	96.9	95.0	96.9
1000 or less yuan	0.4	0.9	0.7	0.6
I do not know	0.7	0.7	1.9	1.2
I do not remember	0.1	0	0.2	0.1
missing	0	1.5	2.2	1.2
Total	100	100	100	100

Table B25. How much did you pay by yourself for prenatal care (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
nothing	0.7	2.8	1.5	1.3
prenatal service as a package	0.9	0.2	0.3	0.5
for different things	91.2	85.3	91.1	90.3
I do not know	6.1	10.1	5.6	6.5
missing	1.1	1.6	1.5	1.4
Total	100	100	100	100

Table B25c. Payment for different items of prenatal care, Yuan (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
200 and less	27.1	41.3	28.9	30.0
201-300	18.1	14.2	15.6	16.0
301-500	23.3	15.6	22.4	21.7
501+	24.2	14.2	25.0	23.1
I do not remember	0	0	0.1	0
missing	7.3	14.7	9.0	9.2
Total	100	100	101	100

Table B26. If you or your family paid for prenatal care service by yourselves (partly or totally), do you think the price was (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
far too high	1.5	1.1	1.9	1.6
too high	16.6	23.7	22.9	20.4
reasonable	68.2	54.4	63.9	64.4
low	4.6	5.7	2.3	3.7
I do not know	8.1	2.2	1.9	4.5
missing	1.0	12.9	7.1	5.4
Total	100	100	100	100

Table B28. Did you (your family members) search for any information related to pregnancy and childbirth from the Internet (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	13.7	12.2	7.6	10.8
no	85.9	86.9	91.6	88.6
I do not know	0.4	0.2	0.1	0.2
missing	0	0.7	0.7	0.4
Total	100	100	100	100

C Delivery

Table C1a. Where did you give birth (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
county or...*	37.7	39.6	73.8	53.8
township hospital	62.3	58.5	23.8	44.7
village health clinic	0	0	0.1	0.1
family planning station	0	0	0.1	0.1
at home	0	1.1	1.5	0.8
elsewhere	0	0.6	0.6	0.4
missing	0	0.2	0.1	0.1
Total	100	100	100	100

* ...higher level hospital or maternal and child care institute

Table C1ar. Where did you/ the mother give birth¹ (%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
county or...*	37.4	38.6	73.7	53.1
township hospital	62.6	59.7	23.8	45.4
village health clinic	0	0	0.1	0.1
family planning station	0	0	0.1	0.1
at home	0	1.2	1.5	0.9
elsewhere	0	0.4	0.7	0.3
missing	0	0.1	0.1	0.1
Total	100	100	100	100

¹ Answers from women and their relatives; * ...higher level hospital or maternal and child care institute

Table C2. Why did you deliver at home (%)?*

	Anhui (n=0)	Chongqing (n=6)	Shaan'xi (n=25)	Total (n=31)
I thought it was not necessary to go to hospital				
yes	0	16.7	28.0	25.8
no	0	83.3	72.0	74.2
Total	0	100	100	100
the delivery was quick and I had no time to go elsewhere				
yes	0	50.0	72.0	67.7
no	0	50.0	28.0	32.3
Total	0	100	100	100
I had not enough money				
yes	0	33.3	20.0	22.6
no	0	66.7	80.0	77.4
Total	0	100	100	100
the hospital was far away or it was difficult to reach				
yes	0	16.7	8.0	9.7
no	0	83.3	92.0	90.3
Total	0	100	100	100
the treatment in hospital is known to be poor				
yes	0	0	4.2	3.3
no	0	100	95.8	96.7
Total	0	100	100	100

* Only those who delivered at home are included

Table C3. Who assisted the delivery (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
midwife	5.0	0.2	14.2	8.3
doctor	95.0	98.3	83.8	90.6
family planning worker or village worker	0	0.4	0.3	0.2
family member	0	0.6	0.5	0.3
someone else	0	0.2	0.8	0.4
nobody	0	0	0	0
missing	0	0.3	0.4	0.2
Total	100	100	100	100

Table C3r. Who assisted the delivery¹ (%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
midwife	4.9	0.1	13.8	7.8
doctor	95.1	98.4	83.9	90.8
family planning worker or village worker	0	0.3	0.3	0.2
family member	0	0.7	0.5	0.4
someone else	0	0.1	0.8	0.4
nobody	0	0	0	0
missing	0	0.4	0.7	0.4
Total	100	100	100	100

¹ Answers from women and their relatives

Table C4a. What was the mode of delivery (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
normal vaginal birth	28.8	56.3	75.7	53.5
birth assisted by instrument	0	0.2	0.3	0.2
assisted breech birth	0	0	0.1	0
Caesarean section	71.2	42.6	23.4	45.8
missing	0	0.9	0.9	0.5
Total	100	100	100	100

Table C4ar. What was the mode of delivery¹ (%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
normal vaginal birth	28.7	55.3	75.7	53.4
birth assisted by instrument	0	0.1	0.4	0.2
assisted breech birth	0	0	0.1	0
Caesarean section	71.3	43.6	22.8	45.8
missing	0	1.0	1.0	0.6
Total	100	100	100	100

¹ Answers from women and their relatives

Table C4. What was the reason for C-section (%)?*

	Anhui (n=1078)	Chongqing (n=232)	Shaan'xi (n=372)	Total (n=1682)
C4b. emergency				
yes	19.8	37.9	45.4	28.0
no	80.2	62.1	54.1	71.9
missing	0	0	0.5	0.1
Total	100	100	100	100
C4c. my doctor/midwife recommended it for other than emergency reason				
yes	32.7	35.8	48.4	36.6
no	67.3	64.2	51.1	63.3
missing	0	0	0.5	0.1
Total	100	100	100	100
C4d. I wanted to have it				
yes	58.7	31.9	7.8	43.8
no	41.3	68.1	91.7	56.1
missing	0	0	0.5	0.1
Total	100	100	100	100
C4e. Some of my family members advised me to have it				
yes	7.4	3.4	1.7	5.6
no	92.6	96.6	97.8	94.3
missing	0	0	0.5	0.1
Total	100	100	100	100

* Only those who had C-section are included

Table C5. When was the decision for C-section made (%)?*

	Anhui (n=1078)	Chongqing (n=232)	Shaan'xi (n=372)	Total (n=1682)
during pregnancy	42.1	22.4	15.3	33.5
just before labour	46.4	51.3	57.3	49.5
during labour	11.3	20.3	14.5	13.2
I do not know	0.2	0.9	2.2	0.7
missing	0	5.1	10.7	3.1
Total	100	100	100	100

*Only those who had C-section are included

Table C6a. Did you get any pain relief during the delivery (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1644)	Total (n=3673)
yes	6.1	30.0	25.3	18.1
no	22.0	50.9	67.9	46.4
I do not remember	0.4	6.4	1.0	1.6
I do not know	0.4	11.0	1.6	2.5
missing	71.1	1.7	4.2	31.4
Total	100	100	100	100

Table C7. What factors influenced your selection of the hospital (%)?*

	Anhui (n=1515)	Chongqing (n=537)	Shaan'xi (n=1588)	Total (n=3640)
C7a. On advise of my doctor/midwife				
yes	13.6	9.2	13.5	12.9
no	86.4	90.1	85.6	86.6
missing	0	0.7	0.9	0.5
Total	100	100	100	100
C7b. It was the closest hospital				
yes	49.6	35.9	32.2	40.0
no	50.4	63.4	66.9	59.5
missing	0	0.7	0.9	0.5
Total	100	100	100	100.0
C7c. It was convenient to go there				
yes	53.2	38.0	41.1	45.7
no	46.8	61.3	58.0	53.8
missing	0	0.7	0.9	0.5
Total	100	100	100	100
C7d. I knew the doctor in the hospital				
	Anhui (n=1515)	Chongqing (n=537)	Shaan'xi (n=1588)	Total (n=3640)
yes	20.7	11.6	9.3	14.4
no	79.3	87.7	89.8	85.1
missing	0	0.7	0.9	0.5
Total	100	100	100	100

C7e. The care was better than in other hospitals				
yes	31.0	22.6	36.4	32.1
no	69.0	76.7	62.7	67.4
missing	0	0.7	0.9	0.5
Total	100	100	100	100
C7f. It was cheaper than in other hospitals				
yes	15.8	14.4	18.1	16.6
no	84.2	84.9	81.0	82.9
missing	0	0.7	0.9	0.5
Total	100	100	100	100
C7g. It was safer than in other hospitals				
yes	35.4	38.2	55.3	44.5
no	64.6	61.1	43.8	55.0
missing	0	0.7	0.9	0.5
Total	100	100	100	100

*Only those who delivered in health facilities are included

Table C8. Why did you deliver at county hospital (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
It was recommended by a township doctor/midwife during prenatal visits	3.8	5.5	7.2	5.5
I was transferred there during delivery because of problems	0.7	0.7	1.4	1.0
It was my own or family members decision	29.6	32.4	60.8	43.8
Other reasons	1.4	1.7	2.0	1.7
missing	64.5	59.7	28.6	48.0
Total	100	100	100	100

Table C9a. Did doctor recommend you to stay in hospital before delivery (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	16.0	21.1	25.3	20.8
no	84.0	77.6	73.0	78.2
missing	0	1.0	1.7	1.0
Total	100	100	100.0	100

Table C10a. Did doctor recommend you to stay in hospital after delivery (%)?*

	Anhui (n=1515)	Chongqing (n=534)	Shaan'xi (n=1576)	Total (n=3625)
yes	94.5	95.3	94.3	94.5
no	5.5	4.7	5.5	5.4
missing	0	0	0.2	0.1
Total	100	100	100	100

*Only those who delivered in hospital are included

Table C11a. Professional skills during the delivery in township hospital were*(%)

	Anhui (n=944)	Chongqing (n=318)	Shaan'xi (n=384)	Total (n=1646)
very good	8.3	2.2	0.8	5.4
good	63.7	72.0	58.3	64.0
neither good nor bad	21.8	23.0	34.9	25.1
bad	1.9	1.3	1.8	1.8
very bad	0.4	0.9	0	0.4
missing	3.9	0.6	4.2	3.3
Total	100	100	100	100

* Only those who visited township level hospital are included

Table C11b. Professional skills during the labour and your stay in county level hospital were*(%)

	Anhui (n=517)	Chongqing (n=216)	Shaan'xi (n=1188)	Total (n=1975)
very good	15.1	6.9	1.5	6.0
good	58.8	63.0	69.9	66.0
neither good nor bad	19.8	24.1	25.7	23.8
bad	1.2	2.3	1.1	1.3
very bad	0.2	0.9	0.1	0.2
missing	4.9	2.8	1.7	2.7
Total	100	100	100	100

* Only those who visited county level hospital are included

Table C11c. Conditions in township hospital were*(%)

	Anhui (n=944)	Chongqing (n=318)	Shaan'xi (n=384)	Total (n=1646)
very good	4.6	1.9	0.3	3.0
good	44.7	60.4	44.5	47.7
neither good nor bad	34.1	31.4	41.4	35.3
bad	9.5	4.1	8.6	8.3
very bad	3.1	1.6	1.0	2.3
missing	4.0	0.6	4.2	3.4
Total	100	100	100	100

* Only those who visited township level hospital are included

Table C11d. Conditions in county level hospital were*(%)

	Anhui (n=571)	Chongqing (n=216)	Shaan'xi (n=1189)	Total (n=1976)
very good	9.3	5.1	1.4	4.1
good	55.3	63.4	59.4	58.7
neither good nor bad	23.3	24.1	29.7	27.2
bad	5.1	3.7	6.7	5.9
very bad	1.6	0.9	1.1	1.2
missing	5.4	2.8	1.7	2.9
Total	100	100	100	100

* Only those who visited county level hospital are included

Table C11e. Doctor's/midwife's behaviour towards you in township hospital was*(%)

	Anhui (n=944)	Chongqing (n=318)	Shaan'xi (n=384)	Total (n=1646)
very good	13.0	5.3	3.4	9.3
good	66.9	71.7	63.8	67.1
neither good nor bad	13.8	19.2	25.0	17.4
bad	1.6	2.3	3.3	2.2
very bad	0.8	0.9	0.3	0.7
missing	3.9	0.6	4.2	3.3
Total	100	100	100	100

* Only those who visited township level hospital are included

Table C11f. Doctor's/midwife's behaviour towards you in county level hospital was*(%)

	Anhui (n=571)	Chongqing (n=216)	Shaan'xi (n=1189)	Total (n=1976)
very good	13.8	6.5	2.0	5.9
good	61.1	64.8	69.1	66.3
neither good nor bad	15.8	22.2	19.6	18.8
bad	1.8	2.3	5.6	4.1
very bad	2.1	1.4	2.0	2.0
missing	5.4	2.8	1.7	2.9
Total	100	100	100	100

* Only those who visited county level hospital are included

Table C12. Would you recommend a hospital you delivered? (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	65.6	56.8	71.5	66.9
no	26.4	22.8	17.8	22.1
I do not know	7.9	16.5	8.1	9.3
I did not go to hospital	0.1	2.4	0.1	0.4
missing	0	1.5	2.5	1.3
Total	100	100	100	100

Table C13. How much did your delivery care cost totally? (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	2591	2102	2150	2327.9
range	0-50000	0-13000	0-23000	0-50000
no cost	0.1	0.2	0.2	0.1
1000 or less	16.3	19.1	37.1	25.9
1001-2000	26.9	36.9	27.7	28.7
2001-3000	33.7	24.6	12.4	23.0
3001+	21.7	16.0	18.2	19.4
I do not know	1.1	1.1	2.3	1.6
I do not remember	0.2	0.6	0.5	0.4
missing	0	1.5	1.6	0.9
Total	100	100	100	100

Table C14. Did CMS cover your delivery care cost (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	325	140	380	321.7
range	0-20000	0-1200	0-4000	0-20000
no coverage	24.1	61.9	48.9	40.6
200 and less	18.0	0.2	1.4	8.1
201-500	27.1	30.9	18.4	23.7
501+	29.0	0.6	25.5	23.3
I do not know	1.3	2.6	3.4	2.4
I do not remember	0.5	0.7	0.8	0.7
missing	0	3.1	1.6	1.2
Total	100	100	100	100

Table C15. Did other insurance or employer cover your delivery care cost (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no	97.4	96.1	91.7	94.7
yes	2.3	1.5	4.1	2.9
I do not know	0.3	0.4	2.2	1.2
I do not remember	0	0.3	0.2	0.2
missing	0	1.7	1.8	1.0
Total	100	100	100	100

Table C16. How much did you pay by yourself for delivery care (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
nothing	1.1	0	2.6	1.6
delivery service as a package	0.4	0	0.2	0.2
for different items	96.5	94.9	91.1	93.9
I do not know	2.0	3.3	4.5	3.3
missing	0	1.8	1.6	1.0
Total	100	100	100	100

Table C16C. Payment for different items of delivery care (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3457)
mean	2312	1956	1833	2056
range	0-90000	100-13000	20-90000	0-90000

Table C17. If you or your family paid for delivery care by yourselves (partly or totally), do you think the price was (%)

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
far too high	2.0	4.8	5.6	4.0
too high	20.2	34.9	26.7	25.2
reasonable	70.2	48.8	54.8	60.3
low	3.9	3.7	4.3	4.0
I do not know	3.7	2.8	1.7	2.7
missing	0	5	6.9	3.8
Total	100	100	100	100

D Postnatal care

Table D1a. How many postnatal visits did you have during first 42 days after delivery (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	0.6	1.6	1.3	1.0
range	0-10	0-13	0-11	0-13
no visits	68.9	35.3	50.7	55.9
1	16.3	21.9	10.6	14.6
2	8.3	16.4	9.5	10.0
3+	6.5	25.8	27.4	18.7
I do not remember	0	0.2	1.7	0.7
missing	0	0.4	0.1	0.1
Total	100	100	100	100

Table D1ar. How many postnatal visits did you/the mother have during first 42 days after delivery*(%)?

	Anhui (n=1574)	Chongqing (n=700)	Shaan'xi (n=1692)	Total (n=3966)
mean	0.56	1.52	1.32	1.04
median	0	1	1.32	0
range	0-10	0-13	0-11	0-13
no visits	69.1	35.7	49.8	55.0
1	16.3	20.7	10.9	14.7
2	8.1	15.4	9.5	10.0
3+	6.4	25.6	27.8	18.9
I do not remember	0.1	2.3	1.8	1.2
missing	0	0.3	0.2	0.2
Total	100	100	100	100

* Answers from women and their relatives

Table D1. How many postnatal visits did you have during first 42 days after delivery...(%)?*

D1b ... at home	Anhui (n=471)	Chongqing (n=349)	Shaan'xi (n=768)	Total (n=1588)
no visits	52.2	28.1	15.8	29.3
1	22.9	28.1	11.7	18.6
2	13.4	19.2	18.5	17.2
3+	11.5	24.6	54.0	34.9
Total	100	100	100	100
D1c ...in county level health facility				
no visits	81.1	80.2	85.9	83.2
at least one visit	18.9	19.8	14.0	16.7
missing	0	0	0.1	0.1
Total	100	100	100	100
D1d ...in township level health facility				
no visits	58.6	64.5	92.2	76.1
at least one visit	41.4	35.5	7.7	23.8
missing	0	0	0.1	0.1
Total	100	100	100	100
D1e ...in village clinic				
no visits	98.3	99.7	95.6	97.3
at least one visit	1.5	0.3	4.3	2.6
missing	0.2	0	0.1	0.1
Total	100	100	100	100
D1f ...in other health facility				
no visits	0	12.6	50.2	27.1
at least one visit	0	0.6	0.8	0.5
missing	100	86.8	49.0	72.4
Total	100	100	100	100

*Only those who have had postnatal visits during 42 days after delivery are included

Table D2. Did health care worker ...*(%)

	Anhui (n=471)	Chongqing (n=349)	Shaan'xi (n=768)	Total (n=1588)
D2a ...ask you about your feelings?*				
yes	91.3	98.0	98.8	96.4
no	8.3	2.0	1.1	3.4
I do not remember	0.4	0	0	0.1
missing	0	0	0.1	0.1
Total	100	100	100	100
D2b ...ask about problems related to you or your baby?				
yes	90.9	98.6	98.2	96.1
no	8.9	1.4	1.7	3.7
I do not remember	0.2	0	0	0.1
missing	0	0	0.1	0.1
Total	100	100	100	100
D2c ...check your blood pressure?				
yes	48.6	81.4	85.7	73.7
no	50.8	18.6	14.2	26.0
I do not remember	0.6	0	0	0.2
missing	0	0	0.1	0.1
Total	100	100	100	100
D2d ...check your temperature?				
yes	44.6	83.4	84.3	72.2
no	55.0	16.6	15.5	27.5
I do not remember	0.4	0	0.1	0.2
missing	0	0	0.1	0.1
Total	100	100	100	100
D2e ...palpate abdomen to check uterus involution?				
yes	66.3	90.2	52.9	65.0
no	31.6	9.5	46.6	34.0
I do not remember	2.1	0.3	0.4	0.9
missing	0	0	0.1	0.1
Total	100	100	100	100

Table D2. Did health care worker ...* (%) (continued)

	Anhui (n=471)	Chongqing (n=349)	Shaan'xi (n=768)	Total (n=1588)
D2f ...check lochia?				
yes	50.4	77.9	33.7	48.4
no	49.0	21.8	65.8	51.1
I do not remember	0.6	0.3	0.4	0.4
missing	0	0	0.1	0.1
Total	100	100	100	100
D2g ...examine breast and ask about breastfeeding?				
yes	53.7	81.9	53.4	59.8
no	45.9	17.8	46.2	39.8
I do not remember	0.4	0.3	0.3	0.3
missing	0	0	0.1	0.1
Total	100	100	100	100
D2h ...advice when and how to look for health care?				
yes	69.6	87.4	79.6	78.3
no	30.1	12.3	20.1	21.3
I do not remember	0.2	0.3	0.3	0.3
missing	0	0	0.1	0.1
Total	100	100	100	100
D2i ...advice on hygiene in postpartum period?				
yes	78.7	93.7	83.7	84.4
no	20.2	6.3	15.9	15.1
I do not remember	1.1	0	0.3	0.4
missing	0	0	0.1	0.1
Total	100	100	100	100
D2j ...advice on nutrition?				
yes	76.2	92.0	89.6	86.1
no	23.4	8.0	10.2	13.6
I do not remember	0.4	0	0.1	0.2
missing	0	0	0.1	0.1
Total	100	100	100	100

*Only those who have had postnatal visits during 42 days after delivery are included

Table D2. Did health care worker ...* (%) (continued)

	Anhui (n=471)	Chongqing (n=349)	Shaan'xi (n=768)	Total (n=1588)
D2k. Did health care worker advice on family planning and sexual relationships?				
yes	69.6	84.0	56.2	66.3
no	30.4	16.0	43.4	33.5
I do not remember	0	0	0.3	0.1
missing	0	0	0.1	0.1
Total	100	100	100	100
D2l ...advice on breastfeeding?				
yes	71.8	93.7	78.6	79.8
no	28.0	6.3	21.3	20.0
I do not remember	0.2	0	0	0.1
missing	0	0	0.1	0.1
Total	100	100	100	100
D2m ... examine the baby?				
yes	67.5	93.7	90.0	84.1
no	32.1	6.3	9.9	15.7
I do not remember	0.4	0	0	0.1
missing	0	0	0.1	0.1
Total	100	100	100	100
D2n. Did health care worker weigh the baby?				
yes	41.0	75.6	53.9	54.8
no	58.8	24.1	45.9	44.9
I do not remember	0.2	0.3	0.1	0.2
missing	0	0	0.1	0.1
Total	100	100	100	100
D2o. Did health care worker advice on baby care?				
yes	56.6	90.8	69.6	70.4
no	42.3	8.3	29.9	28.9
I do not remember	1.1	0.6	0.4	0.6
missing	0	0.3	0.1	0.1
Total	100	100	100	100

*Only those who have had postnatal visits during 42 days after delivery are included

Table D3a. If you received information from health care workers only by phone how many calls did you get (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no calls	83.3	55.2	78.4	77.0
at least 1 call	16.7	41.5	19.2	21.4
I do not remember	0	1.1	0.9	0.6
missing	0	2.2	1.5	1.0
Total	100	100	100	100

Table D4a. When did you breastfeed your baby for the first time (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
within half an hour after delivery	7.3	13.1	3.0	6.3
within 24 hours after delivery	26.6	38.1	17.5	24.3
later than 24 hours after delivery	61.3	42.8	70.4	62.5
never	4.8	5.1	8.7	6.6
missing	0	0.9	0.4	0.3
Total	100	100	100	100

Table D5. How long did you only breastfeed (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	3.4	1.8	3.4	3.1
max-min	0-11	0-8	0-11	0-11
less than 1 month	15.0	38.6	12.0	17.2
1 month	10.1	13.2	14.3	12.4
2 months	11.4	9.6	9.7	10.4
3 months	13.3	11.8	9.3	11.3
4 months	18.3	10.8	11.6	14.2
5 and more months	31.9	9.6	31.6	28.5
missing	0	6.4	11.5	6.0
Total	100	100	100	100

Table D6a. Did you start to give milk substitute to your baby (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
I started	56.1	51.7	47.5	51.7
I have not started yet but I plan to give milk substitute	31	33.3	47.5	38.6
I have not planned to give milk substitute at all	8.4	6.6	0.9	4.8
I do not know	4.5	7.5	2.6	4.1
missing	0	0.9	1.5	0.8
Total	100	100	100	100

I started to give milk substitute*

	Anhui (n=850)	Chongqing (n=281)	Shaan'xi (n=767)	Total (n=1898)
less than 1 month	0	1.4	5.0	2.2
1-2	7.1	26.0	40.7	23.5
3-4	24.5	40.6	9.1	20.6
5-6	50.5	26.3	37.0	41.5
7+	17.2	4.6	8.2	11.7
missing	0.7	1.1	0	0.5
Total	100	100	100	100

*Only those who started giving milk substitute are included

I have not started yet but I plan to give milk substitute at*

	Anhui (n=469)	Chongqing (n=181)	Shaan'xi (n=766)	Total (n=1416)
1-5 months	41.8	66.3	18.3	32.2
6+ month	49.9	31.5	81.6	64.7
missing	8.3	2.2	0.1	3.1
Total	100	100	100	100

* Only those who planned to give milk substitute are included

Table D7a. Did your baby get vaccination (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
yes	97.9	93.4	97.2	96.9
no	0.6	1.1	0.4	0.6
I do not know	1.5	4.4	1.9	2.1
missing	0	1.1	0.5	0.4
Total	100	100	100	100

Table D7b. How many times did your baby get vaccination (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
mean	6.0	4.2	5.5	5.5
range	1-33	1-14	1-21	1-33
1-2	15.2	22.8	17.5	17.3
3-4	25.1	32.2	28.2	27.5
5-6	17.1	14.9	17.6	17.1
7+	40.5	15.8	32.5	33.3
missing	2.1	14.3	4.2	4.8
Total	100	100	100	100

Table D8a. During postnatal visits at home care was*(%)

	Anhui (n=225)	Chongqing (n=251)	Shaan'xi (n=648)	Total (n=1124)
very good	8.9	5.2	5.4	6.0
good	62.2	80.5	88.8	70.1
neither good nor bad	19.1	8.4	20.5	17.6
bad	0.9	0.8	0.6	0.7
very bad	0.4	0	0.2	0.2
I did not have postnatal visits at home	8.0	4.8	4.3	5.2
missing	0.4	0.4	0.2	0.3
Total	100	100	100	100

D8b. During postnatal visits at township hospital care was**

	Anhui (n=195)	Chongqing (n=124)	Shaan'xi (n=59)	Total (n=378)
very good	8.7	1.6	1.7	5.3
good	52.3	73.4	50.8	59.0
neither good nor bad	25.6	14.5	30.5	22.8
bad	2.6	0	0	1.3
very bad	2.1	0.8	0	1.3
I did not stay in township hospital	7.7	9.7	16.9	9.8
missing	1.0	0	0	0.5
Total	100	100	100	100

* Only those who had postnatal visits at home are included; ** Only those who had postnatal visits at township hospital are included

D8c. During postnatal visits at MCH station or at county hospital care was***

	Anhui (n=89)	Chongqing (n=69)	Shaan'xi (n=107)	Total (n=265)
very good	4.5	4.3	1.9	3.4
good	48.3	60.9	43.0	49.4
neither good nor bad	30.3	17.4	40.2	30.9
bad	5.6	4.3	4.7	4.9
very bad	0	1.4	0.9	0.8
I did not stay in county hospital	9.0	10.1	9.3	9.4
missing	2.2	1.4	0	1.1
Total	100	100	100	100

*** Only those who had postnatal visits at county hospital are included

Table D9. How much did your postnatal care cost totally (%)?

	Anhui (n=1515)	Chongqing (n=544)	Shaan'xi (n=1614)	Total (n=3673)
no cost	5.7	75.9	92.0	54
1-4000	4.3	1.8	6.6	4.9
I do not know	0.1	0.7	0.7	0.5
I do not remember	0.1	0.2	0.2	0.2
missing	89.8	21.4	0.5	40.4
Total	100	100	100	100

Table D13. If you or your family paid for postnatal care by yourselves (partly or totally), do you think the price was*(%)

	Anhui (n=63)	Chongqing (n=8)	Shaan'xi (n=107)	Total (n=178)
far too high	3.2	0	0.9	1.7
too high	11.1	12.5	15.9	14.0
reasonable	77.8	62.5	65.4	69.7
low	6.3	25.0	14.0	11.8
I do not know	0	0	3.8	2.2
missing	1.6	0	0	0.6
Total	100	100	100	100

*Only those who paid by yourself for the postnatal care are included

Appendices

Appendix 1

Invitation letter in English

Hello, I am.... and I work at

More and more women are using maternal health care services. The Chinese government is trying to develop ways to improve maternal health care. We are interested in finding out more about the maternal health care services. We would like to find out about your views on maternal health care, your experiences and your ideas about how to address the problems.

We would like to invite you to take part in an interview with the interviewer [name] on [date]. If you agree, the interview will take place in [location of interview] and apart from the interviewer no one else will be present. We expect that the interview will take twenty minutes.

We will ask you some questions about the care you received when you had your baby. The information that we collect from this research project will be kept confidential, which means that no one else except people working on this study will be able to access the information.

You may stop participating in the interview at any time that you wish. You do not have to take part in this research if you do not wish to do so, and refusing to participate will not affect your future treatment at any health facility in any way. You will still have all the benefits that you would otherwise have at any health facility.

You will not be paid to take part in the research. However, we will give you some small token as compensation for your time.

There will be no direct benefit to you from participating in the study, but your participation should help us to make feasible recommendations to the government to improve maternal health care services.

If you have any questions you may ask those now or later. If you wish to ask questions later, you may contact:

Name:

Address:

Telephone number:

E-mail:

Invitation letter in Chinese

您好，我是.....

现在，越来越多的妇女在利用母婴保健服务，中国政府正在积极地采取措施改善这些服务，而我们也想了解如何能使您获得高质量的母婴保健服务。在这方面，我们想听听您的经历，了解您的看法和您如何解决这些问题的意见

我们真诚的邀请您参加**月**日的调查，如果您同意的话，调查会在***（地点）进行，除了调查人员，没有其他人员参加。

我们想了解一下您怀孕和分娩期间的情况，可能会耽误您 20 分钟。您所回答的问题只为这次调查使用，没有征得您的同意，这些个人信息不会泄露给任何人。

您可以在任何时间选择停止，若您不愿意参加调查也不必勉强，拒绝参加不会对您看病（就医，享受卫生服务）产生任何影响。

您的参与对我们很有帮助，会有利于我们向政府提供更多有关于母婴保健服务的可行性建议。

耽误您的时间很抱歉，我们为您准备了一份小礼品。

如果您有任何问题，可以现在问我们或稍后和我们联系。我们的联系方式如下：

姓名：

地址：

电话：

电子邮件：

Appendix 3

Code of questionnaire

Questionnaire for women in English

Illegal: (1=yes)

CHIMACA project

migrant: (1=yes)

Questionnaire for post-intervention interview survey for women

Survey place

_____ province _____ county _____ township _____ village

Name of Mother _____

Investigation date 200__ / __ __ / __ __ (yyyymmdd)

Investigation contents		Code
A Background		
A1	<p>(A1a) What place your Huko was registered during your pregnancy and delivery? _____ province _____ county _____ township</p> <p>(A1b) Was your Huko</p> <p>(1) urban Huko (2) rural huko (3) I don't know</p>	
A2	<p>(A2a) Where did you live in the first three months of pregnancy?</p> <p>(1) the same township where your Huko registered</p> <p>(2) different township but same county _____ (A2b) (name of the township)</p> <p>(3) different county</p> <p>(4) I don't know</p>	
A3	<p>(A3a) Where did you live in the last three months of your pregnancy (26 weeks ~40 weeks of pregnancy)?</p> <p>(1) the same township where your Huko registered</p> <p>(2) different township but same county _____ (A3b) (name of the township)</p> <p>(3) different county</p> <p>(4) I don't know</p>	

A4	<p>(A4a) Where did you live when it was time to deliver? (1) the same township where your Huko registered (2) different township but same county _____ (A4b) (name of the township) (3) different county (4) I don't know</p>	
A5	How old are you? _____ (real-year-old, not nominal age)	
A6	<p>(A6a) What is your education? (1) illiteracy or semi- illiteracy (2) primary school (3) middle school (4) high school (5) college or higher</p>	
	(A6b) How many years have you studied? (If the woman did not complete a school or she does not know her exact educational level)	
A7	<p>What is your occupation?</p> <ol style="list-style-type: none"> 1. Farmer (agriculture, forestry, animal husbandry and fishery) 2. city - farmer – labourer 3. rural farmer – labourer 4. urban and rural unemployed and semi-unemployed 5. industrialist without agricultural residence registration 6. Private commercial household 7. attendant in the tertiary industry 8. Governor of government agency or institution 9. Senior or secondary executive in large or medium-sized enterprise (not the owner) 10. Owner of private enterprise 11. Professional technical personnel 12. The staff of company or some kind of department 13. Student 14. Retired 	
A8	<p>(A8a) Where was your husband's Huko registered during your pregnancy and delivery? _____ province _____ county _____ township (A8b) Was your husband's Huko (1) urban Huko (2) rural Huko (3) I don't know</p>	
A9	<p>How old is the father of child? _____ (real-year-old, not nominal age) (If information about the father can not be provided, go to question A12)</p>	
A10	<p>(A10a) What is the educational level of baby's father? (1) illiteracy or semi- illiteracy (2) primary school (3) middle school (4) high school (5) college or higher</p>	

	(A10b) How many years father of the child have studied? (If the man did not complete a school or she does not know his exact educational level)	
A11	<p>What is father's occupation?</p> <ol style="list-style-type: none"> 1. Farmer (agriculture, forestry, animal husbandry and fishery) 2. city - farmer – labourer 3. rural farmer – labourer 4. urban and rural unemployed and semi-unemployed 5. industrialist without agricultural residence registration 6. Private commercial household 7. attendant in the tertiary industry 8. Governor of government agency or institution 9. Senior or secondary executive in large or medium-sized enterprise (not the owner) 10. Owner of private enterprise 11. Professional technical personnel 12. The staff of company or some kind of department 13. Student 14. Retired 	
A12	<p>(A12a) If you can not provide the information about the father of the child, why? (1) father is dead (2) father is unknown (3) you are divorced (4) other reasons_____ (A12b)</p>	
A13	<p>What was the size of your family before you deliver the baby?_____ (99=I don't know)</p>	
A14	<p>What was the total income of your family during your pregnancy _____Yuan (99=I don't know)</p>	
A15	<p>What was the total expenditure of your family during your pregnancy _____Yuan (99=I don't know)</p>	
A16	<p>How long does it take from your home to the village clinic using the ordinary transportation? _____minutes</p>	
A17	<p>How long does it take from your home to the township hospital using the ordinary transportation? _____minutes</p>	
A18	<p>Have you been a member of the New Cooperative Medical Scheme (NCMS) during pregnancy? (If woman does not choose (1) then skip to question B1) (1) Yes (2) No (3) I don't know</p>	

A19	<p>(A19a) If you have been a member of the NCMS, did you apply for maternal care reimbursement? (1) Yes (2) No (3) I don't know (A19b) If no, why? (1)Illegal birth (2)birth out of wedlock (3)migrant (4)don't know the procedure of reimbursement (5)other,_____ (A19c)</p>	
A20	<p>Do you know whether you can apply for reimbursement for any of the services?(multi-choices) (1) Prenatal visits (2) Hospital delivery (3) Postnatal visits (4) I don't know</p>	
B Earlier pregnancies and Index pregnancy		
B1	<p>(B1a) Had you been pregnant before your last child? (1)Yes (2)No If Yes, How many pregnancies have you had _____ (B1b) If Yes, How many spontaneous abortions have you had _____ (B1c) If Yes, How many induced abortions have you had _____ (B1d) If Yes, How many stillbirths have you had _____ (B1e) How many children do you have now? _____ (B1f) Your first child: (B1g) gender _____ (1=boy, 2=girl, 3=I don't know) (B1h) birthday _____ Your second child: (B1g) gender _____ (1=boy, 2=girl, 3=I don't know) (B1h) birthday _____ Your third child: (B1g) gender _____ (1=boy, 2=girl, 3=I don't know) (B1h) birthday _____ Your fourth child: (B1g) gender _____ (1=boy, 2=girl, 3=I don't know) (B1h) birthday _____</p>	
B2	<p>(B2a) Was your last child healthy at birth? (1) Yes (2) No (3) I don't know (B2b) If not, what kind of problems did the baby have? _____</p>	
B3	<p>(B3a) Is your last child healthy now? (1)Yes (2) No (3) I don't know (B3b) child is sick. Why _____ (B3c) child is dead. When _____ / _____ / _____ (date, yyyyymmdd)?</p>	
B4	<p>(B4a) Birth weight of the baby _____ Jin _____ Liang. (1 Jin=1/2 kilogram, and 1 Jin=10 Liang)</p>	

	(B4b) If weight is unknown how big was your baby at birth (1) very small (2) somewhat small (3) ordinary (4) somewhat large (5) very large	
B5	How many (B5a) weeks/ (B5b) months of pregnant you were when the delivery occurred? _____weeks/months.	
	(B5c) If the length of pregnancy is unknown was your child born (1) too early (2) in time (3) too late	
B6	(B6a) When you have been pregnant, did your husband live most of the time in the same home like you? (1) Yes (2) No (3) Other, _____ (B6b).	
B7	Did you change your working activity during pregnancy? (1) No, I worked the same as before the pregnancy until the last month of pregnancy or birth (2) I worked less heavily than before pregnancy starting at (B7b)_____ months (3) I stopped working completely starting at (B7c)_____ months	
B8	Have you had any prenatal (= antenatal) visits to a doctor or midwife during your pregnancy? (1)Yes (2)No (Continue to the question B27)	
B9	In which month of pregnancy did you have your first prenatal visit? _____months (999=I don't remember)	
B10	(B10a) How many prenatal visits have you had in public health facilities_____	
	(B10b) in county level public health facilities_____ times	
	(B10c) in township level public health facilities_____ times	
B11	(B11a) How many prenatal visits in some other health facilities have you had _____	
	(B11b) at village clinic_____ times	
	(B11c) at township or higher level private hospital _____ times	
	(B11d) at home_____ times	
B12	If you had prenatal visits at township hospital who did advise you to go? (B12a) Myself (1) yes (2) no (B12b) My family advised me (1) yes (2) no (B12c) Village doctors (1) yes (2) no (B12d) Village family planning worker or women's workers (1) yes (2) no (B12e) Doctor in township hospital (1) yes (2) no (B12f) Staff in township family planning station (1) yes (2) no	

	(B12g) Other, who _____	
B13	Have you had any problems during your prenatal visits?	
	(B13a) The visits took too much time (1) yes (2) no (3) don't remember	
	(B13b) I had transportation problems (1) yes (2) no (3) don't remember	
	(B13c) The visits were too expensive (1) yes (2) no (3) don't remember	
	(B13d) My relatives didn't like me to have visits (1) yes (2) no (3) don't remember	
	(B13e) I had problems with childcare. (1) yes (2) no (3) don't remember	
	(B13f) I had problems in organising the household (1) yes (2) no (3) don't remember	
	(B13g) I had to work (1) yes (2) no (3) don't remember	
	(B13h) The health service care was poor (1) yes (2) no (3) don't remember	
	(B13i) The personnel were not kind (1) yes (2) no (3) don't remember	
	(B13j) The visits were useless (1) yes (2) no (3) don't remember	
(B13k) Other problems _____		
B14	(B14a) Did you visit county hospital during pregnancy?	
	(1) No	
	(2) Yes, on advice of township doctor/midwife	
	(3) Yes, by my own initiative	
	(4) Yes, other reasons _____ (B14b)	
B15	During antenatal visits did somebody	
	(B15a) Ask if you had any problems (1) Yes (2) No (3) Don't remember	
	(B15b) Check term of pregnancy (1) Yes (2) No (3) Don't remember	
	(B15c) Ask about previous pregnancies and childbirths (1) Yes (2) No (3) Don't remember	
	(B15d) Advise on nutrition in pregnancy (1) Yes (2) No (3) Don't remember	
	(B15e) Advise on avoiding alcohol, smoking and hazardous substances (1) Yes (2) No (3) Don't remember	
	(B15f) Give counselling on labour (signs of start, what to do, what to expect) (1) Yes (2) No (3) Don't remember	

	(B15g) Discuss mode of delivery (1) Yes (2) No (3) Don't remember	
	(B15h) Advise in which situation seek care (such as problems and emergencies) (1) Yes (2) No (3) Don't remember	
	(B15i) Advise on follow-up visits (1) Yes (2) No (3) Don't remember	
	(B15j) Advise on assessing foetal movements (1) Yes (2) No (3) Don't remember	
	(B15k) How many times was your blood pressure measured? _____ (0=No 999=I don't remember)	
	(B15l) How many times the urine test was made? _____ (0=No 999=I don't remember)	
	(B15m) How many times blood test to test anaemia have you had? (need to explain anaemia) _____ (0=No 999=I don't remember)	
	(B15n) How many other blood tests were made? _____ (0=No 999=I don't remember)	
	(B15o) How many times abdomen investigation/palpation was made? _____ (0=No 999=I don't remember)	
	(B15p) How many times foetal heart rate was assessed? _____ (0=No 999=I don't remember)	
	(B15q) How many times ultrasound examination was made? _____ (0=No 999=I don't remember)	
B16	(B16a) Did you use maternity card during your pregnancy? (1) No, I did not get a card (2) No, I got a card but I did not use it (3) Yes, I got a card but it was not filled in every visit (4) Yes, I got a card and it was filled in every visit (5) I don't know because the card was kept in the hospital (6) _____	Other, (B16b)
B17	(B17a) Did you get any written material related to pregnancy and child birth (booklets, leaflets etc) during your visits? (1) Yes (2) No (3) I don't remember	
	(B17b) If no, would you like to get it? (1) Yes (2) No (3) I don't know	

	<p>(B27c) I had not enough money (1) yes (2) no</p> <p>(B27d) I had a transportation problem (1) yes (2) no</p> <p>(B27e) I was afraid of going to the higher level hospital (1) yes (2) no</p> <p>(B27f) Other reason _____</p>	
B28	<p>Did you (or your family members) search for any information related to pregnancy and child birth from the Internet?</p> <p>(1) Yes (2) No (3) I don't know</p>	
C Delivery		
C1	<p>(C1a) Where did you give birth?</p> <p>(1) County or higher level hospital or maternal and child care institute, name _____ (C1b)</p> <p>(2) Township hospital, name _____ (C1b)</p> <p>(3) Village health clinic</p> <p>(4) Family planning station</p> <p>(5) At home (skip to C2)</p> <p>(7) Elsewhere _____ (C1b)</p>	
C2	<p>If you delivered at home indicate reasons</p> <p>(C2a) I thought it was not necessary to go to hospital</p> <p>(C2b) The delivery was quick and I had no time to go elsewhere</p> <p>(C2c) I had not enough money</p> <p>(C2d) The hospital was far away or it was difficult to reach</p> <p>(C2e) The treatment in hospital is known to be poor</p> <p>(C2f) Other _____</p>	
C3	<p>(C3a) Who assisted the delivery? (women delivered at home skip to D1)</p> <p>(1) Midwife (2) Doctor (3) FP worker or village worker</p> <p>(4) Family member (5) Someone else _____ (C3b)</p> <p>(6) Nobody</p>	
C4	<p>(C4a) How did the birth take place (if no C-section, skip to the question C6)?</p> <p>(1) Normal vaginal birth (2) Birth assisted by instrument (3) Assisted breech birth (4) Caesarean section</p>	
	<p>If birth was given by C-section what was the reason?</p> <p>(C4b) "Emergency" (child's or my own condition were in danger)</p> <p>(1) yes (2) no</p> <p>(C4c) My doctor / midwife recommended it for other than emergency reason. (1) yes (2) no</p> <p>(C4d) I wanted to have it (1) yes (2) no</p> <p>(C4e) Some of my family members advised me to have it (1) yes (2) no</p> <p>(C4f) Other reason _____</p> <p>(C4g) I don't know (1) yes (2) no</p>	

	<p>(C4h) What was the reason for your own decision to have C-section? (Choose 1~5 choices as women like)</p> <p>(1) I thought it is better for the child to be born by c-section (2) I thought it is better for the mother to give birth by c-section (3) I was afraid of pain (4) I was afraid of my baby's health (5) C-section made it possible to fix the date of birth (6) TV, radio or journals influenced my decision (7) My friend(s) or neighbours have influenced my decision (8) My relative(s) has (have) influenced my decision (9) I had bad experiences from previous deliveries (10) My relatives or friends have had bad experiences of normal delivery (11) My relatives or friends have had good experiences of c-sections (12) Other _____ (C4i)</p>	
C5	<p>(C5a) When was the decision for C-section made?</p> <p>(1) In which week of pregnancy _____ (C5b) gestational weeks (2) Just before the labour (3) During the labour (4) I don't know</p>	
C6	<p>(C6a) Did you get any pain relief (all kinds of methods – not only drugs) during your delivery?</p> <p>(1) Yes, what kind of pain relief _____ (C6b) (2) No (3) I don't remember (4) I don't know</p>	
C7	<p>What factors influenced your selection of the hospital</p> <p>(C7a) On advise of my doctor/midwife (1) yes (2) no (C7b) It was the closest hospital (1) yes (2) no (C7c) It was convenient to go there (1) yes (2) no (C7d) I knew the doctor in the hospital (1) yes (2) no (C7e) The care was better than in other hospitals (1) yes (2) no (C7f) It was cheaper than in other hospitals (1) yes (2) no (C7g) It was safer than other hospitals (1) yes (2) no (C7h) Other reasons, _____</p>	
C8	<p>(C8a) Why did you deliver at county hospital?</p> <p>(1) Recommendation by a township doctor/midwife during prenatal visits (2) I was transferred there during delivery (because of problems) (3) My own or my family members decision (4) Other reasons _____ (C8b)</p>	
C9	<p>(C9a) Did the doctor recommend you to stay in hospital before delivery?</p> <p>(1) Yes (2) No</p>	

	(C9b) How many nights did the doctor recommend you to stay in hospital before delivery? ____ nights	
	(C9c) How many nights did you stay in the hospital before delivery? _____ nights	
	(C9d) Why did you go to hospital later than doctor's recommendation? (1) I had not enough money (2) It was not necessary (3) I was too busy (3) Family advised me to (4) Relatives or friends suggested (5) other reason (C9e)_____	
C10	(C10a) Did the doctor recommend you to stay in hospital after delivery? (1) Yes (2) No	
	(C10b) How many nights were recommended to stay in hospital after delivery? ____ nights	
	(C10c) How many nights did you actually stay in the hospital after delivery? _____ nights	
	(C10d) If you left hospital earlier than the time advised by your doctor after you had delivered, the most important reason was: (1) I had not enough money (2) It was not necessary (3) I was too busy (3) Family advised me to (4) Relatives or friends suggested (5)other reason (C10e)_____	
C11	The next question related to satisfaction or your experiences during delivery care (1 = Very good, 2 = Good, 3 = Neither good, nor bad, 4 = Bad, 5 = Very bad, 9 = I did not use)	
	Professional skills (how experienced doctors and midwives were) during the labour and your stay in hospital were	
	at township level health facility	1 2 3 4 5 9 (C11a)
	at county level health facility	1 2 3 4 5 9 (C11b)
	hospital environment of the delivery hospital was	
at township level health facility	1 2 3 4 5 9 (C11c)	
at county level health facility	1 2 3 4 5 9 (C11d)	
Doctor/ midwife's attitude to you in the delivery hospital was		
at township level health facility	1 2 3 4 5 9 (C11e)	
at county level health facility	1 2 3 4 5 9 (C11f)	
C12	Would you recommend the hospital you delivered? (1) Yes (2) No (3) I don't know (4) I didn't use	

C13	How much did your delivery care cost totally? _____ Yuan (90000=I don't know, 99999=I don't remember)	
C14	Did CMS cover your delivery care costs? _____yuan (90000=I don't know, 99999=I don't remember)	
C15	Did other insurance or your employer cover your delivery care costs? _____ yuan (90000=I don't know, 99999=I don't remember)	
C16	(C16a) How much did you pay by yourself for delivery care? (1) Nothing (2) _____ (C16b), Yuan as a package (3) _____ (C16c), Yuan, for different things, (4) I don't know	
C17	If you or your family paid delivery care services by yourself (partly or totally), do you think the price was (1) Far too high (2) Too high (3) Reasonable (4) Low (5) I don't know	
D Postnatal care		
D1	(D1a) During 42days after delivery how many postnatal visits did you have at (do not calculate telephone calls)? _____ (I don't remember 99)	
	(D1b) at home _____ times	
	(D1c) In county level health facility _____ times	
	(D1d) In township level health facility _____ times	
	(D1e) At village clinic _____ times	
	(D1f) Other health facility _____, _____ (D1g) times	
D2	Did health care worker (at least once) (D2a) Ask about your feelings (1) Yes (2) No (3) Don't remember	
	(D2b) Ask you about problems related to you or your baby (1) Yes (2) No (3) Don't remember	
	(D2c) Check your blood pressure (1) Yes (2) No (3) Don't remember	
	(D2d) Check your temperature (1) Yes (2) No (3) Don't remember	
	(D2e) Palpate abdomen to check uterus involution (1) Yes (2) No (3) Don't remember	
	(D2f) Check the amount, colour and smell of lochia (bleeding) (1) Yes (2) No (3) Don't remember	
	(D2g) Examine breasts and ask about breastfeeding (1) Yes (2) No (3) Don't remember	
	(D2h) Advice how to seek for health care (1) Yes (2) No (3) Don't remember	

	at MCH station or at county hospital	1	2	
		3	4	5
				9 (D8c)
D9	How much did your postnatal care cost totally?_____ Yuan (90000=I don't know, 99999=I don't remember)			
D10	Did CMS cover your postnatal care costs?_____yuan (90000=I don't know, 99999=I don't remember)			
D11	Did another insurance or your employer cover your postnatal visits costs? _____yuan (90000=I don't know, 99999=I don't remember)			
D12	(D12a) How much did you pay by yourself for postnatal care?			
	(1) Nothing (2) _____(D12b), Yuan as a package (3) _____ (D12c), Yuan, for different things.			
	(4) I don't know			
D13	If you or your family paid postnatal care services by yourself (partly or totally), do you think the price was (1) Far too high (2) Too high (3) Reasonable (4) Low (5) I don't know			
E	The degree of cooperating of the responder (1) very good (2) good (3) common (4) bad (5) very bad			
checking	Time of the first checking	Signature: _____		
	Time of the second checking	Signature: _____		
	Time of the third checking	Signature: _____		

Appendix 4

Questionnaire for women in Chinese

问卷编码 _ _ _ _ _

欧盟项目(CHIMACA)

干预后调查问卷(妇女本人)

Illegal:

migrant:

调查地点

_____省 _____县 _____乡 _____村

母亲姓名 _____

调查日期 200__/__/__(年月日)

	调查内容	编 码
A 背景		
A1	<p>(A1a) 您怀孕期间及分娩时的户口所在地是 _____省_____县 _____乡</p> <p>(A1b) 您的户口是 (1)非农业户口 (2) 农业户口 (3) 我不知道</p>	—
A2	<p>(A2a) 您在怀孕的早期（怀孕的头三个月）住在哪儿？ (1) 您户口所属的乡镇 (2) 不在户口所属乡镇但在同一个县, _____ (A2b) (乡镇名) (3) 不在户口所属县 (4) 我不知道</p>	—
A3	<p>(A3a) 您在怀孕后期(分娩前三个月,或者怀孕 26 周~40 周)住在那儿？ (1) 您户口所属的乡镇 (2) 不在户口所属乡镇但在同一个县, _____ (A3b) (乡镇名) (3) 不在户口所属县 (4) 我不知道</p>	—
A4	<p>(A4a) 您分娩时住在哪儿？ (1) 您户口所属的乡镇 (2) 不在户口所属乡镇但在同一个县, _____ (A4b) (乡镇名) (3) 不在户口所属县 (4) 我不知道</p>	—
A5	您的年龄? _____岁 (请填实岁, 不要填虚岁)	

A6	(A6a) 您的文化程度是 (1) 文盲 (2) 小学毕业 (3) 初中毕业 (4) 高中毕业 (5) 大专或以上	
	(A6b) 您的受教育年限是_____年 (如果该妇女未毕业或者不知道确切的学校教育水平则填写此处)	
A7	您的职业 1. 农业劳动者 (农林牧渔) 2. 城市农民工 3. 农村农民工 4. 城乡无业、失业、半失业者 5. 非农业户口的产业工人 6. 个体工商户 7. 商业服务业员工 8. 机关、事业单位办事人员 9. 大中型企业高中层管理人员 (非业主身份) 10. 私营企业主 11. 专业技术人员 12. 办事人员 13. 学生 14. 离退休	
A8	(A8a) 您的丈夫 (孩子的父亲) 在您怀孕期间及分娩时的户口所在地是 _____省_____县_____乡	—
	(A8b) 您丈夫的户口属于 (1)非农业户口 (2) 农业户口 (3) 我不知道	
A9	孩子父亲的年龄? _____岁 (请填实岁,不要填虚岁) (如果不能提供孩子父亲的信息, 请跳至问题 A12 继续作答)	
A10	(A10a) 孩子父亲的文化程度? (1) 文盲 (2) 小学毕业 (3) 初中毕业 (4) 高中毕业 (5) 大专或以上	
	(A10b) 孩子父亲的受教育年限是_____年 (如果妇女丈夫未毕业或者不知道他的确切的学校教育水平则填写此处)	
A11	您的丈夫(孩子父亲)的职业是 1. 农业劳动者 (农林牧渔) 2. 城市农民工 3. 农村农民工 4. 城乡无业、失业、半失业者	

	5. 非农业户口的产业工人 6. 个体工商户 7. 商业服务业员工 8. 机关、事业单位办事人员 9. 大中型企业高中层管理人员（非业主身份） 10. 私营企业主 11. 专业技术人员 12. 办事人员 13. 学生 14. 离退休	
A12	(A12a) 如果不能提供关于孩子父亲的信息，是什么原因？ (1) 去世 (2) 不知道是谁 (3) 离婚 (4) 其他原因_____ (A12b)	—
A13	在这个小孩出生前一年您家里有几口人？_____人 (99=我不知道)	
A14	在这个小孩出生前的这一年您家的总收入_____元 (99=我不知道)	
A15	在这个小孩出生前的这一年您家的总支出(花费)是_____元 (99=我不知道)	
A16	使用最常用的交通工具,从您家走到村卫生所大概需要多少时间？ _____分钟	
A17	使用最常用的交通工具,从您家走到乡镇卫生院大概需要多少时间？ _____分钟	
A18	在这个孩子出生前的这一年您是否参加了新农合? (如果该妇女选择否请跳至 B1 继续作答) (1)是 (2)否 (3)我不知道	
A19	(A19a) 如果您参加了新农合, 那您是否获得孕产期保健的报销? (1)是 (2)否 (3)我不知道 (A19b) 如果没有报销是什么原因? (1)超生 (2)非婚生育 (3)流动人口 (4)不知道报销程序 (5)其他_____ (A19c)	—
A20	您知道您可以通过新农合获得以下哪些服务的报销? (A20a) 产前检查 (1)是 (2)否 (A20b) 住院分娩 (1)是 (2)否 (A20c) 产后访视 (1)是 (2)否 (A20d) 我不知道 (1)是 (2)否	

B 既往妊娠史及本次怀孕状况		
B1	(B1a) 在这次分娩之前您是否怀孕过? (选否请至 B1f 继续作答) (1)是 (2)否	
	如果怀孕过, 那您总共怀孕过_____次 (B1b)	
	其中,自然流产过_____次 (B1c)	
	人工流产过_____次 (B1d)	
	死胎死产 _____次 (B1e)	
	您现在有几个小孩?_____ (B1f)	
	您的第一个小孩: (B1g) 性别_____ (1=男,2=女,3=我不知道) (B1h) 生日_____/_____/____ (年月日)	—
	您的第二个小孩: (B1i) 性别_____ (1=男,2=女,3=我不知道) (B1j) 生日_____/_____/____ (年月日)	—
	您的第三个小孩: (B1k) 性别_____ (1=男,2=女,3=我不知道) (B1l) 生日_____/_____/____ (年月日)	—
	您的第四个小孩: (B1m) 性别_____ (1=男,2=女,3=我不知道) (B1n) 生日_____/_____/____ (年月日)	—
B2	(B2a) 您最小的这个孩子出生时是否健康? (1) 是 (2)否 (3)我不知道	
	(B2b) 如果不健康, 这个孩子当时有什么问题? _____	
B3	(B3a) 您最小的这个孩子现在是否健康? (1)是 (2) 否 (3) 我不知道	
	(B3b) 他(她)现在不是很好,因为_____	
	(B3c) 他(她)已经夭折了。 什么时候? ____/____/____ (年月日)	—
B4	(B4a) 这个孩子出生时有_____斤_____两	
	(B4b) 如果妇女不知道确切体重, 改问: : 这个孩子出生时 (1) 很小 (2) 偏小 (3) 正常 (4) 偏大 (5) 很大	
B5	临产时您已经怀孕_____月 (B5a) / _____周 (B5b)	
	(B5c) 如果妇女不知道怀孕多久改问: 这个孩子生得 (1) 过早 (2) 时间合适 (3) 过晚	

B6	(B6a) 您怀孕期间，您丈夫和您大部分时间住在一起吗？ (1) 是 (2) 否 (3) 其他，_____ (B6b).	
		—
B7	(B7a) 以下哪几项描述最接近您在怀孕期间外出劳动的情况（包括下地干农活和打工）	
	(1) 从开始怀孕到分娩我像没怀孕时一样劳动	—
	(2) 我从怀孕第_____个月(B7b)起减少干重体力活	—
	(3) 我从怀孕第_____个月(B7c)起就不干活了	
B8	您怀孕期间有没有做过产前检查？ (1)是 (2)否 (选否跳至 B27 继续作答)	
B9	您第一次产前检查是在怀孕第几个月？第_____个月 (999=我不记得了)	
B10	(B10a) 您怀孕期间在公立医疗机构进行了_____次产前检查，包括	
	(B10b) 在县级公立医疗机构_____次	
	(B10c) 在乡镇公立医疗机构_____次	
B11	(B11a) 您怀孕期间在私人医疗机构进行了_____次产前检查，包括	
	(B11b) 在村卫生所_____次	
	(B11c) 在乡镇以上私立医院_____次	
	(B11d) 在家_____次	
B12	如果是去乡镇卫生院做产前检查是谁建议您去的？	
	(B12a) 我自己要去 (1)是 (2)否	
	(B12b) 我家里人让我去 (1)是 (2)否	
	(B12c) 村医 (1)是 (2)否	
	(B12d) 村计生人员或妇幼专干 (1)是 (2)否	
	(B12e) 乡镇卫生院医生 (1)是 (2)否	
	(B12f) 乡计生站干部 (1)是 (2)否	
	(B12g) 其他, 谁_____	—
B13	下面这些问题是否影响到您接受产前检查？	
	(B13a) 太费时间 (1)是 (2)否 (3)不记得	
	(B13b) 交通不方便 (1)是 (2)否 (3)不记得	
	(B13c) 花费太大 (1)是 (2)否 (3)不记得	
	(B13d) 我的家人不大愿意我去做产前检查 (1)是 (2)否 (3)不记得	
	(B13e) 照顾孩子走不开 (1)是 (2)否 (3)不记得	

	(B13f) 打理家务走不开 (1)是 (2)否 (3)不记得 (B13g) 我必须去工作 (1)是 (2)否 (3)不记得 (B13h) 服务质量不好 (1)是 (2)否 (3)不记得 (B13i) 工作人员态度不好 (1)是 (2)否 (3)不记得 (B13j) 没什么意义 (1)是 (2)否 (3)不记得 (B13k) 其他_____	
B14	(B14a) 是否有人建议您到县级以上医院做产前检查? (1) 没有 (2) 是, 乡镇卫生院医生建议的 (3) 是, 我自己主动去的 (4)是, _____ (B14b) 建议去的	—
B15	为您做产前检查的人是否 (B15a) 问过您身体有什么问题 (不适) (1) 是 (2) 否 (3) 不记得 (B15b) 询问怀孕有多长时间了 (检查孕周) (1) 是 (2) 否 (3) 不记得 (B15c) 询问既往孕产史 (1) 是 (2) 否 (3) 不记得 (B15d) 给出怀孕期间的饮食注意事项 (1) 是 (2) 否 (3) 不记得 (B15e) 建议避免接触烟酒和有毒有害物质 (1) 是 (2) 否 (3) 不记得 (B15f) 告诉过您小孩将要生的先兆以及出现了快生的征兆要怎么做 (1) 是 (2) 否 (3) 不记得 (B15g) 讨论分娩方式 (自然分娩或剖宫产) (1) 是 (2) 否 (3) 不记得 (B15h) 建议什么时间及为什么去看医生 (比如出现问题或紧急情况) (1) 是 (2) 否 (3) 不记得 (B15i) 建议随访 (1) 是 (2) 否 (3) 不记得 (B15j) 建议测量胎动 (1) 是 (2) 否 (3) 不记得 (B15k) 测量血压___次 (0=否 99=不记得)	

	99999=不记得)	
B22	(B22a) 您是否从欧盟项目 (CHIMACA) 获得报销? (1) 是 (2) 否 (3)不知道 (4) 不记得	
	(B22b) 如果没有得到报销, 原因是_____	
	(B22c) 如果获得报销, 总共_____元 (90000=不知道, 99999=不记得)	
	您报销了那些项目	
	(B22d) 产前检查 (1)是 (2)否	
	(B22e) 住院分娩 (1)是 (2)否	
	(B22f) 产后访视 (1)是 (2)否 (B22g) 我不知道 (1)是 (2)否	
B23	合作医疗为您的产前检查报销多少? _____元 (90000=不知道, 99999=不记得)	
B24	其他保险或者工作单位为您的产前检查报销多少? _____元 (90000=不知道, 99999=不记得)	
B25	(B25a) 您自己为产前检查支付了多少钱? (1) 没有支付 (2) _____元(B25b), 作为一个保健包 (3) _____元 (B25c) , 为不同的项目 (4) 不知道	— —
B26	如果您和您的家庭为产前检查自付费用 (部分或全部), 那您觉得价格是 (1)极其贵 (2)比较贵 (3)合理 (4)便宜 (5)不知道	
B27	为什么您不去做产前检查(就算有人建议您去)? (B27a) 我认为没有必要 (1)是 (2)否 (B27b) 我没时间去 (1)是 (2)否 (B27c) 我没钱去 (1)是 (2)否 (B27d) 交通不方便. (1)是 (2)否 (B27e) 我怕又被转去上一级医院 (1)是 (2)否 (B27f) 其他原因_____	—
B28	您(或者您的家人)是否从英特网上去搜索过有关怀孕和生孩子的信息? (1)是 (2) 否 (3)不知道	
C 分娩		
C1	(C1a) 您在什么地方分娩的? (1) 县级以上医疗机构, 名字_____ (C1b) (2) 乡镇卫生院, 名字 _____ (C1b)	

	(3) 村卫生所 (4) 计生站 (5) 在家 (回答 C2) (7) 其他地方 _____ (C1b)	—
C2	如果您在家分娩原因是什么? (C2a) 我认为没有必要去医院 (1)是 (2)否 (C2b) 生得很快我没时间去别的地方 (1)是 (2)否 (C2c) 我没有足够的钱 (1)是 (2)否 (C2d) 医院路太远或者太难走,我又没有合适的交通工具 (1)是 (2)否 (C2e) 医院的治疗不尽人意 (1)是 (2)否 (C2f) 其他原因_____	—
C3	(C3a) 谁帮您接生的? (在家分娩者跳至 D1 继续作答) (1)助产士 (2) 医生 (3) 计生人员或妇幼专干 (4) 家庭成员 (5) 其他人 _____ (C3b) (6) 没人	—
C4	(C4a) 您的分娩方式是? (如果非剖宫产跳至 C6 继续作答)? (1)正常阴道分娩 (2)器械助产. (3)有辅助的臀位产 (4)剖宫产	
	您做了剖宫产原因是 (C4b) 紧急情况(孩子或者我情况很危险) (1)是 (2)否 (C4c) 医生/接生员建议的,但不是紧急情况 (1)是 (2)否 (C4d) 我要求的 (1)是 (2)否 (C4e) 家庭成员要求的 (1)是 (2)否 (C4f) 其他 _____	—
	(C4g) 我不知道 (1)是 (2)否	
	(C4h) 您要求剖宫产的原因是什么? (妇女自己选择 1~5 个最主要原因) (1)我认为剖宫产对孩子更好 (2)我认为剖宫产对母亲更好 (3)我怕痛 (4)我担心孩子的健康	

	(5)做剖宫产可以自主选择分娩的日期 (6)我从电视,广播或杂志上了解到这是一种很好的分娩方式 (7)我的朋友或邻居建议做剖宫产 (8)我的亲戚建议做剖宫产 (9)我有过不愉快的自然分娩经历 (10)我的亲戚或者朋友有过不愉快的自然分娩经历 (11)我的亲戚或者朋友有过很顺利的剖宫产经历 (12)其他_____ (C4i)	—
C5	(C5a) 什么时候决定要剖宫产的? (1)怀孕期间, 在怀孕第_____(C5b)周 (2)就在分娩之前决定的 (3) 分娩过程中决定的 (4) 我不知道	—
	(C6a) 您分娩过程中有没有用止痛措施(所有方法, 不仅仅是药物)? (1) 是, 怎样止痛的_____ (C6b) (2) 否 (3) 我不记得 (4) 我不知道	—
C7	您选择该医院分娩主要是基于下列那方面考虑? (C7a) 医生/接生员建议我去那 (1)是 (2)否 (C7b) 最近的医院 (1)是 (2)否 (C7c) 去这家医院很方便 (1)是 (2)否 (C7d) 认识这家医院的医生 (1)是 (2)否 (C7e) 服务比其他医院好 (1)是 (2)否 (C7f) 费用比其他医院低 (1)是 (2)否 (C7g) 分娩比其他医院安全 (1)是 (2)否 (C7h) 其他原因_____	—
	(C8a) 如果您在县级医院分娩, 是否有乡镇医生/助产士建议您去那的? (1) 乡镇医生/助产士建议我去那 (2) 在分娩期间转院过去的(发生问题) (3) 我或者家人自己选择去那 (4) 其他_____ (C8b)	—
	(C9a) 您分娩前医生是否要求您住院? (1) 是 (2) 否	
	(C9b) 医生要求您产前在医院住____个晚上	
	(C9c) 实际在医院住了____个晚上	

C15	其他保险或者您的雇主为您的住院分娩报销多少? _____元 (90000=不知道, 99999=不记得)	
C16	(C16a) 您自己为住院分娩支付了多少钱?	
	(1) 没有支付 (2) _____元 (C16b), 作为一个保健包 (3) _____元 (C16c), 为不同的项目 (4) 不知道	— —
C17	如果您和您的家庭为住院分娩自付费用(部分或全部), 那您觉得价格是 (1)极其贵 (2)比较贵 (3)合理 (4)便宜 (5)不知道	
D 产后访视		
D1	(D1a) 分娩后 42 天内, 您总共接受过多少次产后访视(包括保健人员到您家里来和您去医院,但是不包括电话访视)_____ (99=我不知道)	
	(D1b) 在家_____次	
	(D1c) 在县级医疗机构 _____次	
	(D1d) 在乡级医疗机构 _____次	
	(D1e) 在村卫生所_____次	
	在其他医疗机构, 名字(D1f) _____, _____(D1g) 次	
D2	如果您接受了访视, 做产后访视的医务人员是否(至少一次) (D2a) 询问您感觉如何 (1) 是 (2) 否 (3) 不记得	
	(D2b) 询问您和婴儿有没有什么问题 (1) 是 (2) 否 (3) 不记得	
	(D2c) 测量血压 (1) 是 (2) 否 (3) 不记得	
	(D2d) 量体温 (1) 是 (2) 否 (3) 不记得	
	(D2e) 通过腹部触诊了解子宫复旧情况 (1) 是 (2) 否 (3) 不记得	
	(D2f) 检查分泌物(阴道出血), 颜色和气味 (1) 是 (2) 否 (3) 不记得	
	(D2g) 检查乳房及哺乳情况 (1) 是 (2) 否 (3) 不记得	
	(D2h) 建议什么时候在什么样情况去看医生 (1) 是 (2) 否 (3) 不记得	
	(D2i) 给予产后卫生指导 (1) 是 (2) 否 (3) 不记得	

	在县级医疗机构	1	2	3	
		4	5	9 (D8c)	
D9	产后访视总共花费多少钱? _____元 (90000=不知道, 99999=不记得)				
D10	合作医疗为您的产后访视报销多少? _____元 (90000=不知道, 99999=不记得)				
D11	其他保险或者您的雇主为您的产后访视报销多少? _____元 (90000=不知道, 99999=不记得)				
D12	(D12a) 您自己为产后访视支付了多少钱?				
	(1) 没有支付 (2) _____元 (D12b), 作为一个保健包 (3) _____元 (D12c), 为不同的项目 (4) 不知道				— —
D13	如果您和您的家庭为产后访视自付费用 (部分或全部), 那您觉得价格是 (1)极其贵 (2)比较贵 (3)合理 (4)便宜 (5)不知道				
E	妇女的配合程度 (1)很好 (2)较好 (3)一般 (4)差 (5)很差				
checking	第一次核对	(时间)	签字: _____		
	第二次核对	(时间)	签字: _____		
	第三次核对	(时间)	签字: _____		

Appendix 5

Questionnaire for relatives in English

Code of questionnaire

Illegal 1yes

migrant 1yes

CHIMACA project

Questionnaire for post-intervention interview survey for the relatives of the women

Survey place

_____province _____county _____township _____village

Name of Mother_____

Investigation date 200__ / __ __ / __ __ (yyyymmdd)

	Investigation contents	Code
A Background		
A1	(A1a) Responder: (1) husband (2) woman's mother (3) mother in law (4) other, who_____ (A1b)	
	(A1c) Why the woman herself was not the respondent? (1) not at home (2) sick (3) taking care of the baby (4) speaking problem (5) other, what_____ (A1d)	
A2	(A2a) Where did her Huko (registered permanent residence) belong to during the period of her pregnancy and delivery? _____province _____county _____township	
	(A2b) The type of her huko was (1) urban huko (2) rural huko (3) I don't know	
A3	(A3a) Where did the woman live at the early part of the pregnancy (until 5 months of pregnancy) ? (1) the same township where her huko belonged to	

	(2) not in the same township but in the same county, where _____ (A3b) (name of the township) (3) not in the same county (4) I don't know	
A4	(A4a) Where did the women live during the end of the pregnancy (3 months before delivery, or 26 weeks ~40 weeks of pregnancy)? (1) the same township where her huko belonged to (2) not in the same township but in the same county, where _____ (A4b) (name of the township) (3) not in the same county (4) I don't know	
A5	Where did the woman live at the time of the delivery? (1) the same township where her huko belonged to (2) not in the same township but in the same county, where _____ (A5b) (name of the township) (3) not in the same county (4) I don't know	
A6	How old is the woman? _____ years (Real-year-old, not Nominal age) (Don't know 999)	
A7	(A7a) What is her educational level? (1) illiteracy (2) primary school (3) middle school (4) high school (5) college or higher	
	(A7b) Or she has accepted education for _____ years (If the woman did not complete a school or responder does not know her exact educational level)	
A8	What is her occupation? <ol style="list-style-type: none"> 1. Farmer (Agriculture, forestry, animal husbandry and fishery) 2. city - farmer – laborer 3. rural farmer – laborer 4. urban and rural unemployed and semi-unemployed 5. industrialist without agricultural residence registration 6. Private commercial household 7. attendant in the tertiary industry 8. Governor of government agency or institution 9. Senior or secondary executive in large or medium-sized enterprise(not the owner) 10. Owner of private enterprise 11. Professional technical personnel 12. The staff of company or some kind of department 13. Student 	

	14. Retired	
A9	(A9a) Where did the father's Huko (registered permanent residence) belong to during the period of the woman's pregnancy and delivery? _____province _____county _____township (A9b) The type of his huko was (1) urban huko (2) rural huko (3) I don't know	
A10	How old is the father of child? _____years (Real-year-old,not Nominal age) (Don't know 999) (If the information about the father can not be provided, go to question A13)	
A11	(A11a) What is the educational level of baby's father? (1) illiteracy (2) primary school (3) middle school (4) high school (5) college or higher (A11b) Or he has accepted education for__years (If the man did not complete a school or she does not know his exact educational level)	
A12	What is father's occupation? 1. Farmer (Agriculture, forestry, animal husbandry and fishery) 2. city - farmer – laborer 3. rural farmer – laborer 4. urban and rural unemployed and semi-unemployed 5. industrialist without agricultural residence registration 6. Private commercial household 7. attendant in the tertiary industry 8. Governor of government agency or institution 9. Senior or secondary executive in large or medium-sized enterprise(not the owner) 10. Owner of private enterprise 11. Professional technical personnel 12. The staff of company or some kind of department 13. Student 14. Retired	
A13	(A13a) If you can not provide the information about the father of the child, why? (1) dead (2) not known (3) divorced (4) other reasons, what?_____ (A13b)	
A14	How many members were in her family during the year before the child was born?_____ (99=I don't know)	
A15	The total income of her family during the year before the child was born was _____Yuan (99=I don't know)	

A16	The total expenditure of her family during the year before the child was born was _____ Yuan (99=I don't know)	
A17	Is she a member of the New Cooperative Medical Scheme (NCMS) during the year before the child was born? (1)Yes (2)No (3) I don't know	
B Earlier pregnancies and Index pregnancy		
	How many children do you have now? _____ (B1f)	
	Your first child: (B1g) gender _____ (1=boy,2=girl,3=I don't know) (B1h) birthday _____	
	Your second child: (B1g) gender _____ (1=boy,2=girl,3=I don't know) (B1h) birthday _____	
	Your third child: (B1g) gender _____ (1=boy,2=girl,3=I don't know) (B1h) birthday _____	
	Your fourth child: (B1g) gender _____ (1=boy,2=girl,3=I don't know) (B1h) birthday _____	
B2	(B2a) Was her baby (the first one of twins) healthy at birth? (1) Yes. (2)No. (3) I don't know	
	(B2b) If not, what kind of problems did the baby have? _____	
B3	(B3a) Is your baby (the first one of twins) healthy now? (1)Yes (2) No (3) I don't know	
	(B3b) (s)he is not well. Why _____	
	(B3c) (s)he is dead. When (date, yyyyymmdd)? _____/____/____	
B4	(B4a) Birth weight of the baby _____ Jin _____ Liang. (1 Jin=1/2 kilogram, and 1 Jin=10 Liang)	
	(B4b) If not known, ask: her baby at birth was (1) very small (2) somewhat small (3) ordinary (4) somewhat large (5) very large	
B5	How many (B5a) weeks/ (B5b) months of pregnant she was when the delivery occurred? _____ weeks/months.	
	(B5c) If not known ask: Was the baby born (1) too early (2) in time (3) too late	
B6	(B6a) When she were pregnant, did her husband live most of the time in the same house as she? (1) Yes (2) No (3) Other, _____ (B6b).	

B7	(B7a) what of these describes best of her statements of working outside the house (farming work in the fields or in paid work) during pregnancy (1)She worked the same as before the pregnancy until the last month of pregnancy or birth	
	(2)She worked less heavily than before pregnancy from (B7b)_____ months	
	(3)She stopped working completely from (B7c)_____ months	
B8	Did she have any prenatal (= antenatal) visits to a doctor or midwife during her pregnancy? _____times (0=no; 99=I don't know)	
B9	At which month of pregnancy did she have her first prenatal visit? _____ months (999=don't know)	
B10	(B10a) Did she complain any things related to prenatal care? (1)yes, what kind of things?_____	
	(B10b) (2)no	
	(3)I don't know	
B11	(B11a) Did she use maternity card during her pregnancy? (1) No, she did not get a card. (2) No, she got a card but I did not use it. (3) Yes, she got a card but it was not filled every visit. (4) Yes, she got a card and it was filled every visit. (5) The card was kept in the hospital	
	(6) _____ Other, what _____ (B11b)	
	(7) I don't know	
B12	Did she get any written material related to pregnancy and child birth (booklets, leaflets etc) during her visits? (1) Yes (2) No (3) I don't know	
B13	How much did her prenatal care cost totally? _____ Yuan (90000=I don't know,99999=I don't remember)	
B14	(B14a) Did she get reimbursement from CHIMACA project? (1) Yes (2) no (3) I don't know.	
	(B14b) If yes, how much? _____ Yuan (90000=I don't know,99999=I don't remember)	
	She got reimbursement for what?	
	(B14d) prenatal care (1)yes (2)no	
	(B14e) hospital delivery (1)yes (2)no	
(B14f) postnatal care (1)yes (2)no		
(B14g) I don't know (1)yes (2)no		

B15	Did CMS cover her prenatal care costs? _____yuan (90000=I don't know,99999=I don't remember)	
B16	Did other insurance or her employer cover her prenatal care costs? _____yuan (90000=I don't know,99999=I don't remember)	
B17	(B17a) How much did she pay herself for prenatal care?	
	(1) Nothing (2) _____(B17b), Yuan as a package (3) _____(B17c), Yuan, for different items.	
	(4) I don't know	
C Delivery		
C1	(C1a) Where did she give birth?	
	(1) County or higher level hospital or maternal and child care institute, name _____(C1b)	
	(2) Township hospital, name _____(C1b)	
	(3) Village health clinic	
	(4) Family planning clinic	
(5) At home (go to C2)		
(7) Elsewhere, where _____(C1b)		
C2	If she delivered at home indicate reasons:	
	(C2a) She thought it was not necessary to go to hospital.	
	(C2b) The delivery was quick and she had no time to go elsewhere.	
	(C2c) she had not enough money.	
	(C2d) The hospital was far away or difficult to reach and she had no transportation.	
	(C2e) The treatment in hospital is known to be poor.	
(C2f) _____ Other, _____ indicate what _____		
C3	(C3a) Who assisted the delivery? (women delivered at home go to D1)	
	(1) Midwife (2) Doctor (3) FP worker or village worker	
	(4) Family member (5) Someone else, who _____(C3b)	
(6) Nobody		
C4	(C4a) How did the birth take place (if no C-section, continue to the question C6)?	
	(1) Normal vaginal birth (2) Birth assisted by instrument. (3) Assisted breech birth. (4) Caesarean section (5) I don't know	
	If the delivery was a c-section it was made because of	
	(C4b) "Emergency" (the child's or my condition was in danger) (1)yes (2)no	

	<p>(C4c) My doctor / midwife recommended it for other than emergency reason. (1)yes (2)no</p> <p>(C4d) I wanted to have it. (1)yes (2)no</p> <p>(C4e) Some of my family members wanted to have it. (1)yes (2)no</p> <p>(C4f) Other, indicate what _____</p> <p>(C4g) I don't know. (1)yes (2)no</p>	
C5	<p>What factors influenced to choose just that hospital</p> <p>(C5a) her doctor/midwife advised me to go there. (1)yes (2)no</p> <p>(C5b) It was the nearest hospital. (1)yes (2)no</p> <p>(C5c) It was convenient to go there. (1)yes (2)no</p> <p>(C5d) I knew the doctor in the hospital. (1)yes (2)no</p> <p>(C5e) The care was better than in other hospitals. (1)yes (2)no</p> <p>(C5f) The fee was less than in other hospitals. (1)yes (2)no</p> <p>(C5g) It was safer than other hospitals. (1)yes (2)no</p> <p>(C5h) Other reasons, _____</p>	
C6	<p>(C6a) If she delivered in county hospital, did a doctor/midwife recommend her to go there?</p> <p>(1) She was recommended by a doctor/midwife.</p> <p>(2) She was transferred there during delivery (because of problems).</p> <p>(3) She chose to go there myself or my family members chose it.</p> <p>(4) Other, what _____(C6b)</p>	
C7	<p>(C7a) How many nights did she stay in the hospital before her delivery? _____nights (999=I don't know)</p> <p>(C7b) How many nights did she stay in the hospital after her delivery? _____nights (999=I don't know)</p>	
C8	<p>How much did her delivery care cost totally? _____ Yuan (90000=I don't know,99999=I don't remember)</p>	
C9	<p>Did CMS cover your delivery care costs? _____Yuan (90000=I don't know,99999=I don't remember)</p>	
C10	<p>Did other insurance or her employer cover her delivery care costs? _____Yuan (90000=I don't know,99999=I don't remember)</p>	
C11	<p>(C8a) How much did she pay herself for delivery care?</p> <p>(1) Nothing (2) _____(C8b), Yuan as a package (3) _____(C8c), Yuan, for different items.</p> <p>(4) I don't know</p>	

D Postnatal care		
D1	(D1a) How many postnatal visits (health care worker has visited her or she have visited health care worker – do not calculate telephone calls) did she totally have? _____ (999=I don't know)	
	(D1b) At home _____ times	
	(D1c) In county hospital _____ times	
	(D1d) In township hospital _____ times	
	(D1e) at village clinic _____ times	
	at other health facility, what (D1f) _____, _____ (D1g) times	
D2	(D2a) When does/ did she start working outside the house (farming work in the fields or in paid work) again after the birth?	
	(1) She has already started _____ (D2b) months after the birth	
	(2) She plans to start working again at _____ (D2c) months after the birth	
	(3) She hasn't planned to work again (4) I don't know	
D3	When did the baby get milk substitute at the first time (excluding the possible substitute given just after the birth before the breastfeeding has really started)? She started _____ months. (999=I don't know)	
D4	(D4a) Did her baby get vaccination? (check the vaccination card) (1)yes, _____ (D4b) times (2)no (3)I don't know	
D5	How much did her postnatal care cost totally? _____ Yuan (90000=I don't know, 99999=I don't remember)	
D6	Did CMS cover her postnatal care costs? _____ Yuan (90000=I don't know, 99999=I don't remember)	
D7	Did other insurance or her employer cover her postnatal visits costs? _____ Yuan (90000=I don't know, 99999=I don't remember)	
D8	(D8a) How much did she pay herself for postnatal care? (1) Nothing (2) _____ (D8b), Yuan as a package (3) _____ (D8c), Yuan, for different items. (4) I don't know	
E	The degree of cooperating of the responder (1)very good (2)good (3)common (4)bad (5)very bad	
checking	Time of the first checking Signature: _____	
	Time of the second checking Signature: _____	
	Time of the third checking Signature: _____	

Appendix 6

Questionnaire for relatives in Chinese

问卷编码 _ _ _ _ _

欧盟项目(CHIMACA)

干预后调查问卷(妇女亲戚)

Illegal:

migrant:

调查地点
 _____省 _____县 _____乡 _____村
 母亲姓名 _____
 调查日期 200__ / __ / __ (年月日)

	调查内容	编 码
A 背景		
A1	(A1a) 应答者: (1) 丈夫 (2) 妇女母亲 (3) 丈夫母亲 (4) 其他 _____ (A1b)	
	(A1c) 妇女本人为什么不能回答? (1) 不在家 (2) 病了 (3) 照顾小孩 (4) 语言表达障碍 (5) 其他 _____ (A1d)	
A2	(A2a) 该妇女怀孕期间及分娩时的户口所在地是 _____ 省 _____ 县 _____ 乡	—
	(A2b) 该妇女的户口是 (1) 非农业户口 (2) 农业户口 (3) 我不知道	
A3	(A3a) 该妇女在怀孕的早期(怀孕的头三个月)住在哪儿? (1) 该妇女户口所属的乡镇 (2) 不在户口所属乡镇但在同一个县, _____ (A3b) (乡镇名) (3) 不在户口所属县 (4) 我不知道	—
	(A4a) 该妇女在怀孕后期(分娩前三个月,或者怀孕 26 周~40 周)住在那儿? (1) 该妇女户口所属的乡镇	

	(2) 不在户口所属乡镇但在同一个县, _____ (A4b) (乡镇名) (3) 不在户口所属县 (4) 我不知道	—
A5	(A5a) 该妇女分娩时住在哪儿? (1) 该妇女户口所属的乡镇 (2) 不在户口所属乡镇但在同一个县, _____ (A5b) (乡镇名) (3) 不在户口所属县 (4) 我不知道	—
A6	该妇女的年龄? _____ 岁 (请填写实岁,不要填虚岁)	
A7	(A7a) 该妇女的文化程度是 (1) 文盲 (2) 小学毕业 (3) 初中毕业 (4) 高中毕业 (5) 大专或以上	
	(A7b) 该妇女的受教育年限是_____年 (如果该妇女未毕业或者不知道确切的学校教育水平则填写此处)	
A8	该妇女的职业 1. 农业劳动者 (农林牧渔) 2. 城市农民工 3. 农村农民工 4. 城乡无业、失业、半失业者 5. 非农业户口的产业工人 6. 个体工商户 7. 商业服务业员工 8. 机关、事业单位办事人员 9. 大中型企业高中层管理人员 (非业主身份) 10. 私营企业主 11. 专业技术人员 12. 办事人员 13. 学生 14. 离退休	
A9	(A9a) 该妇女的丈夫 (孩子的父亲) 在该妇女怀孕期间及分娩时的户口所在地是 _____ 省 _____ 县 _____ 乡	—
	(A9b) 该妇女丈夫的户口属于 (1) 非农业户口 (2) 农业户口 (3) 我不知道	
A10	孩子父亲的年龄? _____ 岁 (请填写实岁,不要填虚岁) (如果不能提供孩子父亲的信息, 请跳至问题 A12 继续作答)	

A11	(A11a) 孩子父亲的文化程度? (1) 文盲 (2) 小学毕业 (3) 初中毕业 (4) 高中毕业 (5) 大专或以上	
	(A11b) 孩子父亲的受教育年限是_____年 (如果妇女丈夫未毕业或者不知道他的确切的学校教育水平则填写此处)	
A12	该妇女的丈夫(孩子父亲)的职业是 1. 农业劳动者 (农林牧渔) 2. 城市农民工 3. 农村农民工 4. 城乡无业、失业、半失业者 5. 非农业户口的产业工人 6. 个体工商户 7. 商业服务业员工 8. 机关、事业单位办事人员 9. 大中型企业高中层管理人员 (非业主身份) 10. 私营企业主 11. 专业技术人员 12. 办事人员 13. 学生 14. 离退休	
A13	(A13a) 如果不能提供关于孩子父亲的信息, 是什么原因? (1) 去世 (2) 不知道是谁 (3) 离婚 (4) 其他原因_____ (A13b)	—
A14	在这个小孩出生前一年该妇女家里有几口人?_____人 (99=我不知道)	
A15	在这个小孩出生前的这一年该妇女家的总收入_____元 (99=我不知道)	
A16	在这个小孩出生前的这一年该妇女家的总支出(花费)是_____元 (99=我不知道)	
A17	在这个孩子出生前的这一年该妇女是否参加了新农合? (1)是 (2)否 (3) 我不知道	
B 既往妊娠史及本次怀孕状况		
B1	该妇女现在有几个小孩?_____ (B1f)	
	该妇女的第一个小孩: (B1g)性别_____ (1=男,2=女,3=我不知道) (B1h) 生日_____/_____/____ (年月日)	—
	该妇女的第二个小孩: (B1i)性别_____ (1=男,2=女,3=我不知道) (B1j) 生日_____/_____/____ (年月日)	—

	该妇女的第三个小孩: (B1k)性别_____ (1=男,2=女,3=我不知道) (B1l)生日_____/_____/_____(年月日)	—
	该妇女的第四个小孩: (B1m)性别_____ (1=男,2=女,3=我不知道) (B1n)生日_____/_____/_____(年月日)	—
B2	(B2a) 该妇女最小的这个孩子出生时是否健康? (1) 是 (2) 否 (3) 我不知道	
	(B2b) 如果不健康, 这个孩子当时有什么问题? _____	
B3	(B3a) 该妇女最小的这个孩子现在是否健康? (1)是 (2) 否 (3) 我不知道	
	(B3b) 他(她)现在不是很好,因为_____	
	(B3c) 他(她)已经夭折了。 什么时候? _____/_____/_____(年月日)	—
B4	(B4a) 这个孩子出生时有_____斤_____两	
	(B4b) 如果不知道确切体重, 改问: : 这个孩子出生时 (1) 很小 (2) 偏小 (3) 正常 (4) 偏大 (5) 很大	
B5	临产时该妇女已经怀孕_____月 (B5a) / _____周 (B5b)	
	(B5c) 如果不知道怀孕多久改问: 这个孩子生得 (1) 过早 (2) 时间合适 (3) 过晚	
B6	(B6a) 该妇女怀孕期间, 该妇女丈夫和该妇女大部分时间住在一起吗? (1) 是 (2) 否 (3) 其_____ (B6b).	—
	(B7a) 以下哪几项描述最接近该妇女在怀孕期间外出劳动的情况 (包括下地干农活和打工) (1) 从开始怀孕到分娩我像没怀孕时一样劳动 (2) 她从怀孕第_____个月(B7b)起减少干重体力活 (3) 她从怀孕第_____个月(B7c)起就不干活了	— —
B8	该妇女怀孕期间有没有做过产前检查? ___次 (0=没有, 99=不知道)	
B9	该妇女第一次产前检查是在怀孕第几个月?第_____个月 (999=我不记得了)	

B10	(B10a) 该妇女是否对产前检查抱怨过? (1) 是, 什么原因_____ (B10b) (2) 没有 (3) 我不知道	—
B11	(B11a) 该妇女怀孕期间是否使用了孕管卡 (孕管册)? (1) 否, 我没拿到册子 (2) 否, 我拿到了册子但是没有使用 (3) 是, 但不是每次去检查都填写 (4) 是, 而且每次去检查都填写 (5) 册子被留在医院我不知道使用情况 (6) 其他_____ (B11b)	—
B12	(B12a) 产检时是否有人发给该妇女有关怀孕及生孩子的阅读材料 (如小册子, 传单等)? (1) 是 (2) 否 (3) 不记得 (B12b) 如果没有该妇女是否想要? (1) 是 (2) 否 (3) 不知道	
B13	该妇女的产前检查总共花费了多少钱? _____元 (90000=不知道, 99999=不记得)	
B14	(B14a) 该妇女是否从欧盟项目 (CHIMACA) 获得报销? (1) 是 (2) 否 (3) 不知道 (4) 不记得 (B14b) 如果没有得到报销, 原因是_____	
	(B14c) 如果获得报销, 总共_____元 (90000=不知道, 99999=不记得) 该妇女报销了那些项目	
	(B14d) 产前检查 (1)是 (2)否	
	(B14e) 住院分娩 (1)是 (2)否	
	(B14f) 产后访视 (1)是 (2)否	
	(B14g) 我不知道 (1)是 (2)否	
B15	合作医疗为该妇女的产前检查报销多少? _____元 (90000=不知道, 99999=不记得)	
B16	其他保险或者工作单位为该妇女的产前检查报销多少? _____元 (90000=不知道, 99999=不记得)	
B17	(B17a) 该妇女自己为产前检查支付了多少钱? (1) 没有支付 (2) _____元 (B17b), 作为一个保健包 (3) _____元 (B17c), 为不同的项目 (4) 不知道	—
		—
C 分娩		

C1	(C1a) 该妇女在什么地方分娩的? (1) 县级以上医疗机构, 名字 _____ (C1b) (2) 乡镇卫生院, 名字 _____ (C1b) (3) 村卫生所 (4) 计生站 (5) 在家 (回答 C2) (7) 其他地方 _____ (C1b)	—
C2	如果该妇女在家分娩原因是什么? (C2a) 她认为没有必要去医院 (1)是 (2)否 (C2b) 生得很快她没时间去别的地方 (1)是 (2)否 (C2c) 她没有足够的钱 (1)是 (2)否 (C2d) 医院路太远或者太难走,又没有合适的交通工具 (1)是 (2)否 (C2e) 医院的治疗不尽人意 (1)是 (2)否 (C2f) 其他原因 _____	—
C3	(C3a) 谁帮她接生的? (在家分娩者跳至 D1 继续作答) (1)助产士 (2) 医生 (3) 计生人员或妇幼专干 (4) 家庭成员 (5) 其他人 _____ (C3b) (6) 没人	—
C4	(C4a) 她的分娩方式是? (如果非剖宫产跳至 C6 继续作答)? (1)正常阴道分娩 (2)器械助产. (3)有辅助的臀位产 (4)剖宫产 该妇女做了剖宫产原因是 (C4b) 紧急情况(孩子或者她情况很危险) (1)是 (2)否 (C4c) 医生/接生员建议的,但不是紧急情况 (1)是 (2)否 (C4d) 她要求的 (1)是 (2)否 (C4e) 家庭成员要求的 (1)是 (2)否 (C4f) 其他 _____ (C4g) 我不知道 (1)是 (2)否	—
C5	该妇女选择该医院分娩主要是基于下列那方面考虑? (C5a) 医生/接生员建议她去那 (1)是 (2)否 (C5b) 最近的医院 (1)是 (2)否 (C5c) 去这家医院很方便 (1)是 (2)否 (C5d) 认识这家医院的医生 (1)是 (2)否 (C5e) 服务比其他医院好 (1)是 (2)否 (C5f) 费用比其他医院低 (1)是 (2)否 (C5g) 分娩比其他医院安全 (1)是 (2)否	

	(C5h) 其他原因_____	—
C6	(C6a) 如果该妇女在县级医院分娩,是否有乡镇医生/助产士建议该妇女去那的? (1) 乡镇医生/助产士建议她去那 (2) 在分娩期间转院过去的(发生问题) (3) 她或者家人自己选择去那 (4) 其他_____ (C6b)	—
		—
C7	(C7a) 该妇女分娩前在医院住了____个晚上 (999=我不知道)	
	(C7b) 该妇女分娩前在医院住了____个晚上 (999=我不知道)	
C8	住院分娩总共花费_____元 (90000=不知道, 99999=不记得)	
C9	合作医疗为该妇女的住院分娩报销多少? _____元 (90000=不知道, 99999=不记得)	
C10	其他保险或者该妇女的雇主为该妇女的住院分娩报销多少? _____元 (90000=不知道, 99999=不记得)	
C11	(C11a) 该妇女自己为住院分娩支付了多少钱? (1) 没有支付 (2) _____元 (C11b), 作为一个保健包 (3) _____元 (C11c), 为不同的项目 (4) 不知道	—
		—
D 产后访视		
D1	(D1a) 分娩后 42 天内, 该妇女总共接受过多少次产后访视(包括保健人员到该妇女家里来和该妇女去医院,但是不包括电话访视)_____ (99=我不知道)	
	(D1b) 在家_____次	
	(D1c) 在县级医疗机构 _____次	
	(D1d) 在乡级医疗机构 _____次	
	(D1e) 在村卫生所_____次	
	在其他医疗机构, 名字(D1f) _____, _____ (D1g) 次	
D2	分娩后该妇女什么时候开始外出工作的? (包括下地干农活或打工)? 1. 她分娩_____个月已经开始工作 2. 她计划分娩后_____个月开始工作 3. 她不打算再工作了 4. 我不知道	
D3	该妇女什么时候第一次给小孩添加辅食的? (不包括刚出生后还没开始喂母乳前可能喂的东西)? 她从第 _____月开始 (999=我不知道)	

D4	(D7a) 该妇女的这个孩子有没有接种过疫苗（打预防针） (1)是，接种____(D7b)次 (2)否 (3)我不知道	
		—
D5	产后访视总共花费多少钱？ _____元 (90000=不知道， 99999=不记得)	
D6	合作医疗为该妇女的产后访视报销多少？ _____元 (90000=不知道， 99999=不记得)	
D7	其他保险或者该妇女的雇主为该妇女的产后访视报销多少？ _____元 (90000=不知道， 99999=不记得)	
D8	(D8a) 该妇女自己为产后访视支付了多少钱？ (1) 没有支付 (2) _____元 (D8b), 作为一个保健包 (3) _____元 (D8c), 为不同的项目 (4) 不知道	
		—
		—
E	回答者的配合程度 (1)很好 (2)较好 (3)一般 (4)差 (5)很差	
checking	第一次核对 (时间) 签字: _____ 第二次核对 (时间) 签字: _____ 第三次核对 (时间) 签字: _____	