Online Supplementary Document

Wu et al. Monitoring and evaluating the adherence to a complementary food supplement (Ying Yang Bao) among young children in rural Qinghai, China: a mixed methods evaluation study

J G	ilob	Health	2017	;7:0	11101
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Apr	endix	S1.	0	nes	tio	nnaire.

1. Identification (ID)

ID.1a	County:	ID.1an□□
ID.1b	Township:	ID.1bn□□
ID.1c	Village:	ID.1cn□□
ID.2	interviewee:	ID.2a□□
ID.3	The realtionship between the interviewee and the child:	ID.3□
	1.Mother 2.father 3.Grandparets 8.others:	
ID.4	Main caregiver or not? 1.Yes 2.No	ID.4 □
ID.5	Child name	ID.5
ID.6	Sex of the child: 1.Boy 2.Girl	ID.6□
ID.7	Birthday of the child:	ID.7 🗆 🗆 🗆 / 🗆 🗆
	yearmonthday	
ID.8	Birth weight: g (8888.Don't konw)	ID.8 🗆 🗆 🗆
ID.9	Birth height:cm (88.8.Don't konw)	ID.9□□. □
ID.10	How many children has mother given birth before this child?	ID.10□
	(If≥7, then fill"7", 8. Don't konw)	
ID.11	Was mother anemic during the pregancy?	ID.11□
	1.Yes 2.No 8.Don't know	
ID.12	What was the gestational age of the child?	ID.12□□
	weeks (88.Don't konw)	
ID.13	What type of Hukou does the child have?	ID.13□
	1.Urban 2.Rural	
ID.14	Interviewer:	ID.14□□

ID.15	Survey date:yearmonthday	ID.15 🗆 🗆 🗆 / 🗆 🗆

2. Breastfeeding and Nutrition (BN)

I now want to ask you about how young children should be fed. This refers to children younger than			
2 years in	general, not seocifically to your child.		
BN.1	Can you tell me until what age a baby should receive only breastmilk, that is, no other food,	BN.1 \square \square	
	water or teas?		
	months [less than 1 month = 00 , Don't know = 88]		
BN.2	Call you tell me at what age a baby should start receiving foods such as porridge, mashed or	BN.2 \square \square	
	solid foods??		
	months [less than 1 month = 00 , Don't know = 88]		
BN.3	Can you tell until what age a child should be breastfed?	BN.3 □□	
	age in months [less than 1 month = 00]		
	90. When the milk dries out		
	91. when the child no longer wants the breast		
	88. Don' know		
BN.4.	Can you tell me until what age a child should be fed lean meat or liver?	BN.4.f \square	
	$_$ months, [less than 1 month = 00, Don't know = 88]		
	·		

Now I v	Now I want to ask you about how your child is being fed.			
BN.5	Has the child ever been breastfed?	BN.5□		
	1. Yes 2. No ——> <i>BN.6a</i>			
BN.6	Was the child breastfed yesterday?	BN.6□		
	1. Yes——>times in last 24 hours[Don't know=88.]			
	2. No, my child hasn't been weaning, but did not be breastfed yesterday.			
	3. No. My child has been weaning——>At what age did the child be weaning?	BN.6.3 □□		
	月[Don't know=88.]			
	8. Don't know			

BN.7	Next I would like to	ask you about some liquids that the child may have h	ad yesterday during the day
	or at night. Did the c	hild have any (item from list)? Read the List of Liquids	s.'
Vitami	n/medicine/liquid	During the last 24 hours?	
1. Vitamii or drugs	n/mineral supplements	1. Yes 2. No 8. Don't know	BN.7.1□
2. ORS		1. Yes 2. No 8. Don't know	BN.7.2□
3. Plain wa water/tea	ater/bottle water/suger	1. Yes 2. No 8. Don't know	BN.7.3□
4. Infant for	rmula	1. Yes times (88. Don't know)	BN.7.4□
		2. No 8. Don't know	BN.7.4.1 □ □
5. Milk suc	h as tinned, powdered,	1. Yestimes (88. Don't know)	BN.7.5□
or fresh ani	mal milk	2. No 8. Don't know	BN.7.5.1 □ □
6. Juice or j	uice drinks	1. Yes 2. No 8. Don't know	BN.7.6□
7. Clear bro	oth	1. Yes 2. No 8. Don't know	BN.7.7□
8. Yogurt		1. Yestimes (88. Don't know)	BN.7.8□
		2. No 8. Don't know	BN.7.8.1 □ □
9. Thin port	ridge	1. Yes 2. No 8. Don't know	BN.7.9□
10. Lactic-a	acid drink	1. Yes 2. No 8. Don't know	BN.7.10□
11. Others:		1. Yes 2. No 8. Don't know	BN.7.11□

BN.8	Please describe everything that the child ate yesterday during the day or night, whether at home				
	or outside the home.				
	Yesterday during the day or night, did your child drink/eat any (food group items)?				
Food group items CodIng categorIes					
1. Porridge,	bread, rice, noodles, or other foods made from grains	1.Yes	2.No 8.Don't know		BN.8.1□
2.Pumpkin,	carrots, squash, or sweet potatoes that are yellow or orange	1.Yes	2.No 8.Don't know		BN.8.2□
inside					
3. White po	otatoes, white yams, manioc, cassava, or any other foods	1.Yes	2.No 8.Don't know		BN.8.3□
made from roots					
	green leafy vegetables	1.Yes	2.No 8.Don't know		BN.8.4□
5. Ripe ma	ngoes, ripe papayas, or (insert other local vitamin a-rich	1.Yes	2.No 8.Don't know		BN.8.5□
fruits)					
	r fruits or vegetables	1.Yes	2.No 8.Don't know		BN.8.6□
	lney, heart, or other organ meats	1.Yes	2.No 8.Don't know		BN.8.7□
	meat, such as beef, pork, lamb, goat, chicken, or duck	1.Yes	2.No 8.Don't know		BN.8.8□
9. Any fat n	neat	1.Yes	2.No 8.Don't know		BN.8.9□
10. Eggs		1.Yes	2.No 8.Don't know		BN.8.10□
	dried fish, shellfish, or seafood	1.Yes	2.No 8.Don't know		BN.8.11□
	ds made from beans, peas, lentils, nuts, or seeds	1.Yes	2.No 8.Don't know		BN.8.12□
	yogurt, or other milk products	1.Yes	2.No 8.Don't know		BN.8.13□
	fats, or butter, or foods made with any of these	1.Yes	2.No 8.Don't know		BN.8.14□
_	gary foods such as chocolates, sweets, candies, pastries,	1.Yes	2.No 8.Don't know		BN.8.15□
cakes, or bi					
	ents for flavor, such as chilies, spices, herbs, or fish powder	1.Yes	2.No 8.Don't know		BN.8.16□
17. Sausage		1.Yes	2.No 8.Don't know		BN.8.17□
Others:					
DNIO	Didd- 1:11	11			DNA
BN.9	Did the child eat any solid, semi-solid, or soft foods yesterd 1. Yes, At what aged the child started eating month		ig the day or at hight?		BN.9□□
	1. Yes, At what aged the child started eatingmonth (Less than one month = 00, 88.Don't know/remem				BN.9.1 □□
	2. No—> BN.12a	1001 /			
BN.10	How many times did the child eat solid, semisolid, or soft for	oods oth	er than liquids vesterd	av	BN.10□
Divilu	during the day or at night?	oous our	er man nquids yesterd	ау	D11.10
	times [If ≥ 7 , fill "7"; 8=Don't know]				
Now I wou	ld like to ask you about some particular foods (NAME)	may ea	t I am interested in	wheth	er vour child
	m even if it was combined with other foods.	may ca	. I am meerestea m	Wilcui	er your ennu
BN.12.a	Yesterday, during the day or night, did (NAME) const	ume any	/ [list iron fortified	solid	BN.12.a□
	semisolid or soft foods designed specifically for infants and	-	_		
	local setting]?	, journe	on a contract of the contract		
	1. Yes 2. No 8. Don't know				
BN.12.b	Yesterday, during the day or night, did (NAME) consume a	ny [list 1	ipid based nutrient		BN.12.b □
	supplement (lns) available in the local setting]?	., [1101]	r		
	1. Yes 2. No 8. Don't know				
	I				

3. YingYangBao (YYB)

YYB.1	Have you ever received YYB?	YYB.1□
	1. Yes ——> <i>YYB.2</i>	
	2. No	
	8. Don't know——> <i>YYB.12</i>	
YYB.1a	Why didn't you receive YYB? ——>YYB.12	YYB.1.a□
	1. Dno't want	
	2. Not at home when distribution	
	3. Didn't know YYB distribution	
	4. This were no YYB left in the village clinics	
	5. Others, specify	
	8. Don't know	
YYB.2	How old was your child when you started receiving YYB?months (88.Don't know)	YYB.2□□
YYB.3	Until now, how many boxes of YYB have you ever received since you started receiving	YYB.3 □□
	YYB? boxes (30sachets/box) ? ("Less than one box", fill"00", 88.Don't know)	
YYB.4	Has your child ever conusmed YYB?	YYB.4□
	1. Yes → YYB.5	
	2. No	
	8. Don't know——> <i>YYB.12</i>	
YYB.4a	Why didn't you feed your child YYB? ——>YYB.12	YYB.4a□
	My child dislike taking	
	2. busy and have no time to feed	
	3. YYB was useless, and did not want to feed to my child	
	4. Didn't think YYB is a good thing as it was free	
	5. Adverse affects after taking, such as dierrhea	
	6. My child was too young to eat	
	7. Others, specify	
	8. Don't know	
YYB.2.a	How old was your child when he/she started consuming YYB?months (88.Don't	YYB.2.a□□
	know)	
YYB.13	Until now, how many boxes of YYB have you ever consumed since you started receiving	YYB.13 □□
	YYB? boxes (30sachets/box) ? ("Less than one box", fill"00", 88.Don't know)	
YYB.5.a	Does your chid stop consuming YYB now?	YYB.5.a□□
	1.No ──> <i>YYB.5.c</i>	
	2.Yes	
	8.Don't know ——> <i>YYB.12</i>	
YYB.5.b	Why did your child stop consuming YYB? ——>YYB.12	YYB.5.b□□
	My child dislike taking	
	2. busy and have no time to feed	
	3. YYB was useless, and did not want to feed to my child	
	4. Didn't think YYB is a good thing as it was free	
	5. Adverse affects after taking, such as dierrhea	

	6. The taste of YYB was not good	
	7. Others, specify	
	8. Don't know	
YYB.5.c	Did your child consume YYB yesterday?	YYB.5.c□
	1.Yes 2. No 8. Don't konw	
YYB.5.d	How many sachets of YYB did your child consumed during the previous week?"	YYB.5.d□□
	sachets ("Less than one sachets", fill"00", 88.Don't know)	
YYB.6	In which situations you won't feed YYB to your child? (Mutiple-choice)	
	1. Diarrhea 1. Refer 2. Not refer	YYB.6.1 □
	2. Got cold 1. Refer 2. Not refer	YYB.6.2 □
	3. Forget 1. Refer 2. Not refer	YYB.6.3 □
	4. Suspect adverse affects 1. Refer 2. Not refer	YYB.6.4 □
	5. Don't konw wether YYB is good or bad 1. Refer 2. Not refer	YYB.6.5□
	to my child	
	6. Others, specify	YYB.6.6 □
	7. My child dislike consuming 1. Refer 2. Not refer	YYB.6.7 □
	8 Don't know 1. Refer 2. Not refer	YYB.6.8 □
YYB.7	How do you think your child like taking YYB?	YYB.7□
	1. Like very much	
	2. Liked	
	3. Neutral	
	4. Disliked at the beginning, but liked after a while	
	5. Disliked, reasons for dislike	
	8. Don't know.	
YYB.8	Do you think YYB is a meal which can play as complementary food?	YYB.8
	1. Yes	
	2. No	
	8. Don't know	
YYB.9	What changes do you think your child have after taking YYB? (Mutiple-choice)	T
	1. No changes observed 1. Refer 2. Not refer	YYB.9.1 □
	2. Positive weight gains 1. Refer 2. Not refer	YYB.9.2 □
	3. Positive height gains 1. Refer 2. Not refer	YYB.9.3 □
	4. Increased appetite 1. Refer 2. Not refer	YYB.9.4 □
	5. Prevented diseases 1. Refer 2. Not refer	YYB.9.5 □
	6. Increased cognitive ability, more smart 1. Refer 2. Not refer	YYB.9.6 □
	7. Others, specify 1. Refer 2. Not refer	YYB.9.7 □
	8. Don't know 1. Refer 2. Not refer	YYB.9.8 □
YYB.10	Did your child have any adverse reaction when he/she start taking YYB?	YYB.10 □
	1. Yes, specify	
	2. No	
	8 Don't know	
YYB.11	Would you insist feeding YYB to your child everyday?	YYB.11 □
	1. Yes——> <i>YYB.12</i>	
	2. NO	
	8. Don't know——> <i>YYB.12</i>	
YYB.11a	Why wouldn't you be able to feed your child YYB everyday?	YYB.11a□

 My child dislike taking Forget 	
2. Forget	
1 3 3 3 5 5	
3. There is other things at home	
4. Busy	
5. Didn't think YYB is a good thing as it was free	
6. YYB is no effect	
7. Did not reveive	
8. Don't know	
9. Others, specify	
YYB.12 Have you ever received infamation on YYB, such as what is YYB, how and Why to feed	YYB.12□
YYB to your child?	
1. Yes	1
2. No	
8 Don't konw	
YYB.12a Where did you receive information on YYB? (Mutiple-choice)	
1. Information on YYB boxes 1. Refer 2. No refer	YYB.12a.1 □
2.the leaflets which called "A letter to caregivers" 1. Refer 2. No refer	YYB.12a.2□
3. Village doctors 1. Refer 2. No refer	YYB.12a.3□
4.TV 1. Refer 2. No refer	YYB.12a.4□
5.Banners 1. Refer 2. No refer	YYB.12a.5 □
6.Neighor 1. Refer 2. No refer	YYB.12a.6 □
7.Others, specify 1. Refer 2. No refer	YYB.12a.7 □
8.Don't know 1. Refer 2. No refer	YYB.12a.8 □
9.Short text message 1. Refer 2. No refer	YYB.12a.9 □

4. Cough and fever (CO)

CO.1	Has the child been ill with a fever at any time in the last two weeks?	CO.1 🗆	
	1. Yes 2. No 8. Don't know		
CO.2	Has the child had an illness with a cough at any tiem in the last two weeks?	CO.2 □	
	1. Yes		
	2. NO> CO.3		
	8. Don't know——> <i>CO.3</i>		
CO.2.a	When the child had an illness with a cough, did he/she breathe faster than	usual with short,	CO.2.a □
	quick breaths or have diffivulty breathing?		
	1. Yes		
	2. No>CO.3 check		
	8. Don't know——>CO.3 check		
CO.2.b	Wew the symptoms due to a problem in the chest or a blocked nose?		CO.2.b□
	1. Chest		
	2. Blocked nose		
	3. Both		
	4. Others:		
	8. Don't know		
CO.3	Check: CO.1 or CO.2		CO.3 □
	1. There is "1.yes" answer in CO.1 or CO.2 ——> CO.4;		
	2. There is no "1.yes" in both CO.1 and CO.2——>DI.1		
CO.4	Did you seek advice or treatment for the fever/cough outside home?	CO.4 □	
	1. Yes		
	2. No——>CO.5		
	8. Don't know——>CO.5		
CO.4.a	Where did you seek advice or treatment? [Record all sources mentioned.	Prompt "Anywehe	re esle? "]
	1. Family member/ friend		
	11 Famliy member	1. Yes 2. No	CO. 4.a.11□
	12 Friends/ Neighbour	1. Yes 2. No	CO. 4.a.12□
	2. Public Health Sector		
	21 Hospital of county or above	1. Yes 2. No	
	22 MCH hospital	1. Yes 2. No	
	23 Communtity health center	1. Yes 2. No	
	24 Township hospital	1. Yes 2. No	
	25 Communtity health station	1. Yes 2. No	
	26Village clinic	1. Yes 2. No	

	3. Private Health Sector		
	31 Hospital	1. Yes 2. No	
	32 Private clinic	1. Yes 2. No	
	33 Pharmacy	1. Yes 2. No	
	4. Community		
	41 Brith attendant	1.Yes 2. No	
	42 Family planing staff	1. Yes 2. No	
	51. Others, specify	1. Yes 2. No	
CO.5	Wa the child given medicine for fever or cough?		CO.5 □
	1. Yes		
	2. No		
	8. Don't know		
CO.6	How did it last from onset to recover fully? Day (If \geqslant 87, fill "87",		CO.6□□
	Don't know =88, Not recover=90)		

5. Diarrhea (DI)

DI.1	Has the child had diarrhea in the last 2 weeks?		
	1. Yes		
	2. No ——> <i>HH.1</i>		
	8. Don't know ——> <i>HH.1</i>		
DI.2	Did the child have blood in the stools?		DI.2□
	1. Yes		
	2. No		
	8. Don't know		
DI.3	During this last episode of diarrhea, did the child drink any of the follow	During this last episode of diarrhea, did the child drink any of the following: (Read each item	
	aloudand record response before proceeding to the next)		
	1. ORS 1.Y	es 2. No 8.don't know	DI.3.1 □
	2. ORT (Plain water/bottle water, porridge) 1.Y	es 2. No 8.don't know	DI.3.2□
	3.Other homemade fluids (eg, Tea, soft drink) 1.Y	es 2. No 8.don't know	DI.3.3□
DI.3a	During the child illness, did he/she drink much less, about the sam, or mo	ore than usual?	DI.3a□
	(If less, porbe: Was he/she offered much less than usual to drink or somewhat less?)		
	1. Much less or none		
	2. Somewhat less		
	3. About the same		
	4. More		
	8. Don't know		
DI.3b	When the child had diarrhea, did he/she eat less, about the same, or more food than usual?		
	(If less, porbe: much less or a little less?)		
	1.Much less or none		
	2. Somewhat les		
	3. About the same		
	4. More		
	5. Child never received solid or semi-solid foods		
	8. Don't know		
DI.4	Did you seek advice or treatment for the diarrhea outside home?		DI.4 □
	1. Yes		
	2. No——>DI.5		
	8. Don't know——> <i>DI.5</i>		
DI.4.a	Where did you seek advice or treatment? [Record all sources mentioned . Prompt "Anywehere esle?"]		
	1. Family member/ friend		
	11 Famliy member	1. Yes 2. No	DI.4.a.11 □
	12 Friends/ Neighbour	1. Yes 2. No	DI.4.a.12 □

2. Public Health Sector		
21 Hospital of county or above	1. Yes 2. No	DI4.a.21□
22 MCH hospital	1. Yes 2. No	DI. 4.a.22□
23 Community health center	1. Yes 2. No	DI. 4.a.23□
24 Township hospital	1. Yes 2. No	DI. 4.a.24□
25 Community health station	1. Yes 2. No	DI. 4.a.25□
26Village clinic	1. Yes 2. No	DI. 4.a.26□
3. Private Health Sector		
31 Hospital	1. Yes 2. No	DI. 4.a.31□
32 Private clinic	1. Yes 2. No	DI. 4.a.32□
33 Pharmacy	1. Yes 2. No	DI. 4.a.33□
4. Community		
41 Brith attendant	1.Yes 2. No	DI. 4.a.41□
42 Family planing staff	1. Yes 2. No	DI. 4.a.42□
51. Others, specify	1. Yes 2. No	DI. 4.a.51□
DI.5 How did it last from onset to recover fully? Day (In	How did it last from onset to recover fully? Day (If \geqslant 87, fill "87",	
Don't know =88, Not recover=90)	Don't know =88, Not recover=90)	

6. Household information

HH.1	Household size?		HH.1 □□
HH.2	How many adults (>16 years) in your family?		нн.2□
нн.3	How many under five children in your family?		нн.3□
НН.4	Age of the mother:years	Age of the mother:years	
нн.5	Enthic of the mohter	Enthic of the mohter	
	 Han Hui Tu Tibetan 	 Sala Mongolia Others 	
нн.6	Education of the mother?		НН.6□
	1.Never go to school 2.Primary school 3.Midddle school 4.High school	5. technical secondary school6. Junior collge7. Collge or above8. Don't know	
НН.7	How long has the mother been at school? years (00.Never, 88. Don't know)		НН.7□□
НН.8	Mother's work 01.Household work 02. Manager in enterprise or 03. Professionals 04. General clerk 05. Business services personne 06. individual business	07. Engaged in non-agricultural labor of farmers 08. worker 09. famers 10. Soldier 11.Other 88.Don't know	нн.8□□
НН.9	During the previous year, did the mother work outside home/hometown? 1. Yes 2. No—>HH10a		нн.9□
НН.9а	How old was the child when his/her mother go out for worker?months ("less than one month" fill "00". "Don't know" fill "88")		нн.9а□□
НН.9b	How long did the mother work outside work during the previous year: months ("less than one month" fill "00". "Don't know" fill "88")		HH.9b□□
нн.10	Age of the father:years		HH.10 □
НН.11	Enthic of the fahter 1. Han 2. Hui 3. Tu 4. Tibetan	5. Sala6. Mongolia7. Others	НН.11□
НН.12	Education of the father? 1.Never go to school 2.Primary school 3.Midddle school 4.High school	5. technical secondary school 6. Junior collge 7. Collge or above 8. Don't know	HH.12□
HH.12a	How long has the father been at school?		HH.12a □ □

	year (00.Never, 88. Don't know)		
HH.13	Father's work		НН.13□□
111111	01 11 1 1	07. Engaged in non-agricultural labor of	
	01.Household work	farmers	
	02. Manager in enterprise or 03. Professionals	08. worker	
	04. General clerk	09. famers	
	05. Business services personne	10. Soldier	
	06. individual business	11.Other	
	oo. marvadan ousmess	88.Don't know	
HH.14	During the previous year, did the father wo	rk outside home/hometown?	НН.14□
	1. Yes		
	2. No> <i>HH10a</i>		
HH.14a		go out for worker?months ("less than	HH.14a □□
	one month" fill "00". "Don't know" fill	•	
HH.14b	_	k during the previous year: months	HH.14 b□□
	("less than one month" fill "00". "Don'	t know" fill "88")	
HH.16	Who is the main caregivers of the child?		HH.16 □
	1. Mother——>HH.17		
	2. Father—> <i>HH.17</i>		
	3. Grandparents		
	4. Others		
HH.16a	Age of the main caregiver of the child:years		HH.16a □□
HH.16b	Education of the main caregiver?		HH.16b □
	1.Never go to school	5. technical secondary school	
	2.Primary school	6. Junior collge	
	3.Midddle school	7. Collge or above	
	4.High school	8. Don't know	
НН.16с	How long has the main caregiver been at so		HH.16c □□
	year (00.Never, 88. Don't know)		
	I		
HH.16d	Father's work	07.7	HH.16d □ □
	01.Household work	07. Engaged in non-agricultural labor of	
	02. Manager in enterprise or	farmers 08. worker	
	03. Professionals	09. famers	
	04. General clerk	10. Soldier	
	05. Business services personne	11.Other	
	06. individual business	88.Don't know	
нн.17	Main income source of family?		НН.17□
	1. Grain planting	5. Business	
	2. Vegetable planting	6. Work for others	
	3. Animal Husbandry	7. Others	
	4. forestry	8. Don't know	