Chiang Mai Birth Cohort – Pilot Study KAP QUESTIONNAIRE (Interview immediately after enrollment)

you know that all of your answers to these answering any of these questions, please I	to start by thanking you for your help with this survey. I want to let questions are completely confidential. If you feel uncomfortable et me know. We would appreciate your being as honest as possible as before we begin? Thank you for helping us with this important
INTERVIEWER USE ONLY	
Interviewer initials	
Interview date	Day / Month / Year
Interview start time	
Language of interview Thai Thai Yai Burmese Other (SPECIFY)	02
Patient's due date	Day / Month / Year

What month of pregnancy are you in?

____ MONTH OF PREGNANCY

A. Occupational Information/Physical Exertion

Now, I would like to ask you some questions about any jobs you may have held since you became pregnant.

1.	Have you worked since you became pregnant, since	Yes0	1
	your last menstrual period?	No(NEXT SECTION) 03	2
		NR 99	9

		A. Job 1 or most recent job
8.	Since you became pregnant, at this job have you done any agricultural work? (including fertilizer handling and application, agricultural pesticide handling, equipment or tractor operation, foreman of agricultural work, farm field work, packing shed work, nursery or greenhouse work, or waxing fruits)	YES01 NO02
11	During this pregnancy, at this job did you do	
	i. Golf course or other landscape maintenance?	YES01 NO02
	ii. Control for termites or other pests in homes or buildings?	YES01 NO02
	iii. Work in a cannery or food processing plant where you handle fruits or vegetables?	YES01 NO02
12	Since you became pregnant, do/did you apply pesticides or insecticides at this job?	YES01 NO02
16	Since you became pregnant, are/were pesticides or insecticides used at this job? (CODE 777 IF NOT WORKING)	YES01 NO(GOTO18)02 NA(GOTO18)NA

		A. Job 1 or most recent job
18	During this pregnancy, have you usually worn at this job	
	i. Long-sleeved shirt?	YES01 NO02
	ii. Cotton gloves?	YES01 NO02
	iii. Hat or something covering your head?	YES01 NO02
	iv. Scarf/handkerchief to cover your face?	YES01 NO02
	v. Rubber boots?	YES01 NO02
20	<u>During this pregnancy</u> , when you are/were at this job, do/did you wash your hands before eating or smoking?	ALWAYS01 USUALLY02 SOMETIMES.03 NEVER04
		NE VER
21	During the time you worked at this job, did you usually bathe or shower?	
	i. Daily, before work	YES01 NO02
	ii. Daily, immediately after work at work place	YES01 NO02
	iii. Daily, immediately after arriving home from work	YES01 NO02
	iv. Daily, more than 1 hour after arriving home from work	YES01 NO02
	v. Several times a week	YES01 NO02
	vi. Once a week or less often	YES01 NO02

3	0.	In the year before you became pregnant, have you done	
		A. Farm field work?	YES01 NO02
		B. Packing, canning, or food processing where you handled fruits, vegetables, or flowers?	YES01 NO02
		C. Nursery or greenhouse work?	YES01 NO02
		D. Golf course or landscape maintenance?	YES01 NO02

B. Housing Characteristics

	Asince you became pregnant?	Bin the year before you became pregnant?
How often have your fruits and vegetables been washed before you ate them	Always	Always .01 Usually .02 Sometimes .03 Almost never .04 DK .888 NR .999
11. Have you eaten fruits and vegetables that came directly from the fields (Do not include those from your home garden)	Yes	Yes

C. House Cleaning

How often do you clean your home?	Daily or more often01
	A few times a week02
	Once a week03
	Once every couple of weeks 04
	Once a month or less often 05
	DK 888
	NR 999

D. Pesticide Use

I would like to ask you some questions about pesticides that have been used in and around any of the homes you have lived in since you became pregnant. Pesticides can come in sprays, bombs, poison pellets or bait, powder, chalk, roach motels, traps, or ant stakes.

4. Since you became pregnant, have pesticides or insecticides	YES	
been used around any of your homes to kill pests?	NO	02
	DK	888
4C. Were these pesticides used inside or outside your home?	INSIDE	01
	OUTSIDE	02
	BOTH	03
	DK	888

4E. How often have these pesticides been applied?	Daily
	DK888
4F. Did you personally apply any of these pesticides?	YES
5. (SKIP IF SHE DID NOT PERSONALLY APPLY PESTICIDE) When you applied the pesticides, did you wear any protective clothing such as gloves or mask?	YES

11.	In the year before you became pregnant	
	A. Did you personally apply pesticides at home?	YES
12.	A. Did anyone other than you apply pesticides at your home?	YES

E. Pesticide Knowledge, Attitudes, Practices

Now I would like to ask you some general questions about human health and pesticides. Please answer as best you can according to your knowledge and opinions.

I believe that the following actions could be harmful to my fetus	Yes	No	DK
A. Smoking cigarettes	01	02	888
B. Eating fruits	01	02	888
C. Drinking alcohol	01	02	888
D. Spraying pesticides in the home	01	02	888
E. Spraying pesticides at work	01	02	888
F. Light exercise	01	02	888
G. Taking vitamins	01	02	888
H. Taking supplements	01	02	888

Exposure to pesticides can have an adverse effect or impact on human health	AGREE 01 DISAGREE (GO TO 4) 02 NOT SURE (GO TO 4) 888
If yes, do all the pesticides have the same adverse health effect on the human body?	YES01 NO02 NOT SURE888

4. Pesticides can be harmful to the health of	Yes	No	DK
A. The general population	01	02	888
B. The agricultural workers who apply them	01	02	888
C. Other agricultural workers	01	02	888
D. People who consume the crops	01	02	888
E. Farm residents	01	02	888
 Residents of cities and communities near the farm 	01	02	888

5. Which of the following are intake pathways for pesticides?	Yes	No	DK
A. Breathing in pesticides	01	02	888
B. Getting bit by a mosquito	01	02	888
C. Getting pesticides on the skin	01	02	888
D. Swallowing pesticides	01	02	888
Consuming foods from farms that use pesticides	01	02	888

It is necessary to read or understand the label of a pesticide bottle or container.	AGREE01 DISAGREE02 NOT SURE888
7. Pesticide containers can be reused safely after cleaning.	AGREE01 DISAGREE02 NOT SURE888

8. Which of the following can be effective in preventing pesticide exposure?	Yes	No	DK
A. Wearing full protective equipment when handling pesticides	01	02	888
B. Wearing gloves when handling pesticides	01	02	888
C. Washing fruits and vegetables before eating them	01	02	888
 D. Covering mouth and nose with your hand while spraying pesticides 	01	02	888
E. Washing hands in the stream after handling pesticides	01	02	888
F. Taking a bath immediately after spraying pesticides	01	02	888
G. Washing clothes worn at the farm separate from other clothes	01	02	888

9. According to your knowledge, the toxicity symptoms of pesticides can be which of the following?	Yes	No	DK
A. Headache	01	02	888
B. Watery eyes / sore eyes	01	02	888
C. Heart attack / stroke	01	02	888
D. Nausea / vomiting	01	02	888
E. Excessive salivation	01	02	888
F. Cough / cold / chest pain / breathlessness	01	02	888
G. Skin rash / skin irritation / itching	01	02	888
H. Abdominal pain / diarrhea	01	02	888
Muscle weakness / fatigue / body pain	01	02	888

10. Have you received training about pesticides?	YES0
	NO(GO TO 12) 0
	NOT SURE(GO TO 12) 88

11. If	yes,	please	answer	the	following:
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A. Where did you receive training?	
B. When did you last receive training? _	

C. What topics were discussed in this training?

	Yes	No	DK
i. Pesticide poisoning	01	02	888
ii. Personal protective equipment	01	02	888
iii. Health effects of pesticides	01	02	888
iv. Proper spraying techniques	01	02	888
v. Other, specify	01	02	888

Do you agree or disagree with the following statements?	Agree	Disagree	Not sure
12. Pesticides protect people from pest-related diseases	01	02	888
13. Pesticides are poisonous	01	02	888
14. Pesticide hazard can cause death	01	02	888
15. You can smoke, drink, and eat during pesticide spraying	01	02	888
 Using a large amount of pesticides for only a short time is not harmful to my health 	01	02	888
 Using a large amount of pesticides for only a short time is not harmful to the health of my fetus 	01	02	888
 Using a small amount of pesticides for a long time is not harmful to my health 	01	02	888
 Using a small amount of pesticides for a long time is not harmful to the health of my fetus 	01	02	888
20. Adults are more resistant to pesticides than children	01	02	888
21. Adults are more resistant to pesticides than babies	01	02	888
If I eat and drink near areas where pesticides have been sprayed I will not be exposed to pesticides	01	02	888

 If a pesticide is sold in the market it means it is safe no matter how or by whom it is used 	01	02	888
 A pesticide is effective only if its effect can be seen immediately after spraying 	01	02	888
25. A pesticide is more effective if it is sprayed according to personal experience and not necessarily according to the recommended amount	01	02	888
26. Every person who uses a pesticide is responsible for its safe use	01	02	888
 After using pesticides for a number of years, a person can develop an immunity to pesticides 	01	02	888

28. Which of the following are potential health impacts of pesticides?	Yes	No	DK
A. Pesticide poisoning	01	02	888
B. Cancer	01	02	888
C. Obesity	01	02	888
D. Slower learning	01	02	888
E. Irritated skin	01	02	888
F. Coughing	01	02	888

29. I use pesticides in the home because	Yes	No	DK
A. They protect my home and family from mosquitoes	01	02	888
B. They protect my home and family from other insects	01	02	888
C. They protect my home and family from rodents	01	02	888
D. They protect my home and family from termites	01	02	888
E. They protect my home and family from other pests	01	02	888
F. They protect my home and family from disease	01	02	888
G. They keep my home clean	01	02	888
H. A family member told me to	01	02	888
 Following advice from a doctor, nurse, community leader, health volunteer, or government official 	01	02	888
J. Other, Specify	01	02	888

30. I use pesticides at work because	Yes	No	DK
A. They kill insects that would harm the plants	01	02	888
B. They kill other pests that would harm the plants	01	02	888
C. They get rid of bacteria growing on the plants	01	02	888
D. They kill other unwanted plants	01	02	888
E. They make the plants grow taller	01	02	888
F. I am told to apply them	01	02	888
G. Other, Specify	01	02	888

F. Demographics

1.	How old are you?	YEARS OLD
4.	What is the last grade that you	None, never attended school01
	completed in school?	P. 1-6 (primary)02
		M. 1-3 (junior high/high school)03
		M. 4-6 (high school/no diploma) 04
		Diploma/technical school/equivalent 05
		Some college
		College graduate or more07
5.	Are you currently attending school?	Yes01
		No02
		DK888
_		NR999
7	How much money do you and other people	1,500 Baht or less
٠.	who live in your home bring home each month?	1,501 to 3,000 Baht02
	(READ CATEGORIES)	3,001 to 6,000 Baht
	(NEXE SYNESSY	6,001 to 9,000 Baht
		9,001 to 12,000 Baht
		More than 12,000 Baht 06
		DK 888
		NR999
9.	Think about where you live, the food you eat, and Do you think you can afford these with your hou	
		afford and have enough for saving01
		afford and not have enough for saving

Now I would like to ask you some questions about your ethnicity. What ethnic group best describes you?	Thai
11. In what country were you born?	Thailand
G. Medical History Now I would like to ask you questions about any vitamins the before pregnancy up until now.	at you take or have taken in the three months
19. In the 3 months before you became pregnant, did you any prenatal or multivitamins?	DK
Since you became pregnant, have you taken any prenatal or multivitamins?	Yes

H. Pregnancy History

1.	Excluding this pregnancy, how many times have y	you been pregnant? TIMES
	(Probe: No matter what happened with the pregr	nancy) DK 888
		NR999
^	How many abildeen do you have that are commonth.	this a with way?
2.	How many children do you have that are currently	
		DK888
_		NR999
I.	Paternal Demographics	
1.	What is your baby's father's ethnic background?	Thai01
		Thai Yai02
		Burmese03
		Chinese04
		Other (SPECIFY)05
		DK 888
		NR999
2	In what country was your baby's father born?	Thailand 01
-	in material was your baby a lation bein.	Burma
		China
		Other (SPECIFY)04
		DK888
		NR999
_		
3.	What is the last grade that your	None, never attended school01
	baby's father completed in school?	P. 1-6 (primary)02
		M. 1-3 (junior high/high school) 03
		M. 4-6 (high school/no diploma)04
		Diploma/Technical school/equivalent 05
		Some college06
		College graduate or more07
		DK888
		NR999

J. Household Members

Do any of the people who live with you work in agriculture?	YES
Do any of these people (including yourself) usually wear their work shoes into your current home?	YES 01 NO 02 DK 888
6. Do any of these people wear their regular work clothes in your home for more than ½ hour before they change?	YES
Are these regular work clothes kept separately from other family clothes?	YES
Are these work clothes mixed with the family wash or washed separately?	Mixed with family wash 01 Washed separately 02 DK 888
Does anyone store containers or bags of pesticides from work in or around the home you live in now?	YES

K. Pets

I would like to know about any pets that have lived inside your home <u>since you became pregnant</u>. Please include any dogs, cats, birds, or other furry pets that belong to you or to anyone who lives inside your home, including people who are not related to you.

2.	Since you became pregnant, have you personally applied flea or tick shampoo, dips or powders on any of your pets?	YES 01 NO (GO TO Q. 4) 02 DK (GO TO Q. 4) 888
3.	Did you wear gloves when you used these products?	YES 01 NO 02

M. Personal Habits Information

N.	Other	Exposures	and	Concerns
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4.	Do you know of any effects that pesticides or other environmental exposures in Fang District may have had on you or your family? Please mention any and all problems that come to mind.	YES
A.	Please explain:	

Z. Additional Questions

1.	How long have you lived in Fang?	YEARS MONTHS (99: Since I was born)
2.	Is your current house near an agricultural area?	I live in an agricultural area/orchard/farm
3.	What Medicare benefits have you used for antenatal care for this pregnancy?	Gold health card
4.	What month of pregnancy was your first vis	it to ANC? MONTHS (888: DK)
5.	During this pregnancy, how many times ha	ve you visited ANC?TMES(888: DK)
6.	During this pregnancy, have you visited AN for every regular appointment?	Yes, on time every appointment 01 Yes, but not on time every appointment 02 No, because 03
7.	Currently, do you still work?	YES (GO TO Q. 8) 01 NO (GO TO Q. 7A) 02
7.A	One year ago, did you work?	YES (GO TO Q. 7B)01

7B. When did you stop working?	Before I knew that I was pregnant
8. What is your employment status?	I have my own business/orchard/farm
8A. When do you plan to stop working?	When doctor orders or I can't work anymore 77 I will work up until delivery 99 DK
9. After delivery, do you plan to work?	YES (GO TO Q. 9A) 01 NO (GO TO Q. 10) 02 DK (GO TO Q. 9A) 02
9A. If you plan to work after delivery, does yo involve agriculture?	our work YES
9B. When do you plan to start working again	? Within 3 months after delivery
10. Do you plan to move from Fang?	YES.(GO TO Q. 10A). 01 NO (GO TO Q. 11) 02 DK(GO TO Q. 11). 02

10A. When do you plan to move from Fang?	Within 3 months after delivery
11. Will you breast feed your baby by yourself?	Yes(GO TO Q. 11A)
11A. How long will you breast feed your baby?	3 months after delivery
INTERVIEWER PLEASE ANSWER THE FOLLOWING QUESTIONS 1. Overall, the respondent's cooperation was:	

 Table A1. Knowledge score calculation.

Knowledge Questions	Response Considered Correct	Source
I believe that the following actions could be harmful to my fetus:		
Smoking cigarettes	Yes	[1]
Eating fruits	No	[2]
Drinking alcohol	Yes	[3]
Spraying pesticides in the home	Yes	[4]
Spraying pesticides at work	Yes	[5]
Light exercise	No	[6]
Taking vitamins	No	[7]
Taking supplements	No	[7]
Exposure to pesticides can have an adverse effect or impact on human		
health	Agree	[8]
Do all the pesticides have the same adverse health effect on the human body?	No	[8]
Pesticides can be harmful to the health of:		
The general population	Yes	[9]
The agricultural workers who apply them	Yes	[10]
Other agricultural workers	Yes	[11]
People who consume the crops	Yes	[12]
Farm residents	Yes	[11]
Residents of cities and communities near the farm	Yes	[11]
Which of the following are intake pathways for pesticides?	103	[11]
Breathing in pesticides	Yes	[12]
Getting bit by a mosquito	No	[12]
Getting bit by a mosquito Getting pesticides on the skin	Yes	[12]
Swallowing pesticides	Yes	
Consuming foods from farms that use pesticides	Yes	[12] [12]
Pesticide containers can be reused safely after cleaning	Disagree	
Which of the following can be effective in preventing pesticide exposure?	Disagree	[11]
Wearing full protective equipment when handling pesticides	Yes	[13]
Wearing gloves when handling pesticides	Yes	
	Yes	[13]
Washing fruits and vegetables before eating them		[11]
Covering mouth and nose with your hand while spraying pesticides	No	[14]
Washing hands in the stream after handling pesticides	Yes	[15]
Taking a bath immediately after spraying pesticides	Yes	[15]
Washing clothes worn at the farm separate from other clothes	Yes	[11]
According to your knowledge, the toxicity symptoms of pesticides can be		
which of the following?	*7	F1.13
Headache	Yes	[11]
Watery eyes / sore eyes	Yes	[8]
Heart attack / stroke	Yes	[11]
Nausea / vomiting	Yes	[11]
Excessive salivation	Yes	[11]
Cough / cold / chest pain / breathlessness	Yes	[8]
Skin rash / skin irritation / itching	Yes	[11]
Abdominal pain / diarrhea	Yes	[11]
Muscle weakness / fatigue / body pain	Yes	[11]

Table A1. Cont.

Knowledge Questions	Response Considered Correct	Source
Pesticides protect people from pest-related diseases	Agree	[16]
Pesticides are poisonous	Agree	[11]
Pesticide hazard can cause death	Agree	[17]
You can smoke, drink, and eat during pesticide spraying	Disagree	[11]
If I eat and drink near areas where pesticides have been sprayed I will not be exposed to pesticides	Disagree	[18]
Which of the following are potential health impacts of pesticides?		
Pesticide poisoning	Yes	[19]
Cancer	Yes	[20]
Obesity	No *	[21]
Slower learning	Yes	[22]
Irritated skin	Yes	[8]
Coughing	Yes	[19]

^{*} Although some prospective epidemiological studies have reported an association between prenatal exposure to dichlorodiphenyl-dichloroethane (DDE) and measures of obesity in childhood, the toxicological evidence is limited and there is a lack of general consensus regarding the potential relationship between pesticide exposure and obesity.

Table A2. Personal susceptibility attitude score calculation.

Attitudes on personal susceptibility to health effects from pesticides *	Response indicating higher belief in susceptibility ^
Using a large amount of pesticides for only a short time is not harmful to my health	Disagree
Using a small amount of pesticides for a long time is not harmful to my health	Disagree

^{*} Score ranges from 0–4 with higher scores indicating a higher belief in personal susceptibility to health effects from pesticides.

[^] These responses were awarded 2 points, while the opposite response was awarded 0 points. Responses of "not sure" or "don't know" (indicating beliefs in between the extremes) were awarded 1 point.

Table A3. Child susceptibility attitude score calculation.

Attitudes on future or current children's susceptibility to health effects from pesticides *	Response indicating higher belief in susceptibility ^	
Using a large amount of pesticides for only a short time is not	Disagree	
harmful to the health of my fetus	Disagree	
Using a small amount of pesticides for a long time is not	Disagree	
harmful to the health of my fetus	Disagree	
Adults are more resistant to pesticides than children	Agree	
Adults are more resistant to pesticides than babies	Agree	

^{*} Score ranges from 0–8 with higher scores indicating a higher belief in the participant's child's susceptibility to health effects from pesticides.

Table A4. Responsibility attitude score calculation.

Attitudes on responsibility for safe use based on Sam $\it et al.$ [23] *	Response indicating acceptance of responsibility ^
It is necessary to read or understand the label of a pesticide bottle or container	Agree
If a pesticide is sold in the market it means it is safe no matter how or by whom it is used	Disagree
A pesticide is effective only if its effect can be seen immediately after spraying	Disagree
A pesticide is more effective if it is sprayed according to personal experience and not necessarily according to the recommended amount	Disagree
Every person who uses a pesticide is responsible for its safe use	Agree
After using pesticides for a number of years, a person can develop an immunity to pesticides	Disagree

^{*} Score ranges from 0–12 with higher scores indicating a higher acceptance of personal responsibility for the safe use of pesticides.

[^] These responses were awarded 2 points, while the opposite response was awarded 0 points. Responses of "not sure" or "don't know" (indicating beliefs in between the extremes) were awarded 1 point.

[^] These responses were awarded 2 points, while the opposite response was awarded 0 points. Responses of "not sure" or "don't know" (indicating beliefs in between the extremes) were awarded 1 point.

Table A5. Usefulness attitude score calculation.

Attitudes on the usefulness of pesticides *	Does an affirmative response indicate belief in pesticide usefulness? ^
I use pesticides in the home because:	
They protect my home and family from mosquitoes	Yes
They protect my home and family from other insects	Yes
They protect my home and family from rodents	Yes
They protect my home and family from termites	Yes
They protect my home and family from other pests	Yes
They protect my home and family from disease	Yes
They keep my home clean	Yes
A family member told me to	No
Following advice from a doctor, nurse, community leader, health volunteer, or government official	No
Other	Yes
I use pesticides at work because:	
They kill insects that would harm the plants	Yes
They kill other pests that would harm the plants	Yes
They get rid of bacteria growing on the plants	No
They kill other unwanted plants	Yes
They make the plants grow taller	Yes
I am told to apply them	No
Other	Yes

^{*}Score ranges from 0–13 with higher scores indicating a higher belief in the usefulness of pesticides (scored as missing if the participant did not personally apply pesticides).

Table A6. Risky behaviors defined by Goldman et al. [24].

Risky behaviors defined by Goldman et al. [24]	Corresponding KAP survey question(s)
Sometimes or never washing hands in the field before smoking or eating	A20
Not bathing immediately after work	A21
Not wearing adequate clothing to protect against pesticide exposure (long-sleeved shirt, something to cover the head, and gloves)	A18, D5, K3
Storing or washing farm-worker clothes together with family clothes	J8, J12
Cleaning the house less than a few times per week	C2
Eating fruits and vegetables directly from the field	B11A
Household member(s)wearing work shoes from the field into the home	J4
Household member(s)wearing work clothes from the field into the home for more than 30 minutes	J6

[^] Affirmative responses to questions with a "yes" in this category were awarded 1 point each, while all other responses were awarded 0 points.

	Corresponding
Risky behaviors at work *	KAP survey
	question(s)
Sometimes or never washing hands in the field before smoking or	A20
eating	A20
Not bathing immediately after work	A21
Not wearing adequate clothing to protect against pesticide exposure	A18

Table A7. Risky behaviors at work score calculation.

(long-sleeved shirt, something to cover the head, and gloves)

Table A8. Risky behaviors at home score calculation.

Risky behaviors at home	Corresponding KAP survey question(s)
Not wearing personal protective equipment when using pesticides in the home	D5, K3
Storing or washing farm-worker clothes together with family clothes *	J8, J12
Cleaning the house less than a few times per week	C2
Eating fruits and vegetables directly from the field	B11A
Household member(s) wearing work shoes from the field into the home *	J4
Household member(s) wearing work clothes from the field into the home for more than 30 minutes *	J6
Household member(s) storing pesticides from work in or around the home	J13

^{*}Only considered risky when participants had household members who worked in agriculture.

References

- 1. Cotton, P. Smoking cigarettes may do developing fetus more harm than ingesting cocaine, some experts say. *J. Am. Med. Assoc.* **1994**, *271*, 576–577.
- 2. Ortega, R.M. Dietary guidelines for pregnant women. *Public Health Nutr.* **2001**, *4*, 1343–1346.
- 3. Eustace, L.W.; Kang, D-H.; Coombs, D. Fetal alcohol syndrome: A growing concern for health care professionals. *JOGNN* **2002**, *32*, 215–221.
- 4. Turner, M.C.; Wigle, D.T.; Krewski, D. Residential pesticides and childhood leukemia: A systematic review and meta-analysis. *Environ. Health Perspect.* **2010**, *118*, 33–41.
- 5. Wigle, D.T.; Turner, M.C.; Krewski, D. A systematic review and meta-analysis of childhood leukemia and parental occupational pesticide exposure. *Environ. Health Perspect.* **2009**, *117*, 1505–1513.
- 6. Artal, R.; O'Toole, M. Guidelines of the American College of Obstetricians and Gynecologists for exercise during pregnancy and the postpartum period. *Brit. J. Sport. Med.* **2003**, *37*, 6–12.
- 7. Haider, B.A.; Bhutta, Z. Multiple-micronutrient supplementation for women during pregnancy. *Cochrane Database Syst. Rev.* **2006**, *4*, doi:10.1002/14651858.CD004905.

^{*} These scores were only calculated for participants who worked in agriculture while pregnant.

- 8. U.S. Environmental Protection Agency (EPA). *Recognition and Management of Pesticide Poisonings*; fifth ed.; EPA/735/R-98/003; EPA: Washington, DC, USA, **1999**.
- 9. National Cancer Institute (NCI). *Cancer Trends Progress Report*—2009/2010 Update. National Institutes of Health: Bethesda, MD, USA, 2010.
- 10. Das, R.; Steege, A.; Baron, S.; Beckman, J.; Harrison, R. Pesticide-related illness among migrant farm workers in the United States. *Int. J. Occup. Env. Heal.* **2001**, *7*, 303–312.
- 11. U.S. Environmental Protection Agency (EPA). *Citizen's Guide to Pest Control and Pesticide Safety*; EPA/735/K/04/002; EPA: Washington, DC, USA, 2005.
- 12. McKone, T.E.; Castorina, R.; Harnly, M.E.; Kuwabara, Y.; Eskenazi, B.; Bradman, A. Merging models and biomonitoring data to characterize sources and pathways of human exposure to organophosphorus pesticides in the Salinas Valley of California. *Environ. Sci. Technol.* **2007**, *41*, 3233–3240.
- 13. Keifer, M.C. Effectiveness of interventions in reducing pesticide overexposure and poisonings. *Am. J. Prev. Med.* **2000**, *18*, 80–89.
- 14. Palis, F.G.; Flor, R.J.; Warburton, H.; Hossain, M. Our farmers at risk: behaviour and belief system in pesticide safety. *J. Public Health* **2006**, *28*, 43–48.
- 15. Salvatore, A.L.; Bradman, A.; Castorina, R.; Camacho, J.; Lopez, J.; Barr, D.B.; Snyder, J.; Jewell, N.P.; Eskenazi, B. Occupational behaviors and farmworkers' pesticide exposure: Findings from a study in Monterey County, California. *Am. J. Ind. Med.* **2008**, *51*, 782–794.
- 16. Guillet, P.; Alnwick, D.; Cham, M.K.; Neira, M.; Zaim, M.; Heymann, D.; Mukelabai, K. Longlasting treated mosquito nets: A breakthrough in malaria prevention. *Bull. World Health Organ.* **2001**, *79*, 998.
- 17. Casey, P. Deaths from pesticide poisoning in England and Wales: 1945–1989. *Hum. Exp. Toxicol.* **1994**, *13*, 95–101.
- 18. Fenske, R.A.; Black, K.G.; Elkner, K.P.; Lee, C.L.; Methner, M.M.; Soto, R. Potential exposure and health risks of infants following indoor residential pesticide applications. *Am. J. Public Health* **1990**, *80*, 689–693.
- 19. Eskenazi, B.; Bradman, A.; Castorina, R. Exposures of children to organophosphate pesticides and their potential adverse health effects. *Environ. Health Perspect.* **1999**, *107*, 409–419.
- 20. Vinson, F.; Merhi, M.; Baldi, I.; Raynal, H.; Gamet-Payrastre, L. Exposure to pesticides and risk of childhood cancer: A meta-analysis of recent epidemiological studies. *Occup. Environ. Med.* **2011**, *68*, 694–702.
- 21. La Merrill, M.; Birnbaum, L.S. Childhood obesity and environmental chemicals. *Mt. Sinai J. Med.* **2011**, 78, 22–48.
- 22. Kofman, O.; Berger, A.; Massarwa, A.; Friedman, A.; Jaffar, A.A. Motor inhibition and learning impairments in school-aged children following exposure to organophosphate pesticides in infancy. *Pediatr. Res.* **2006**, *60*, 88–92.
- 23. Sam, K.G.; Andrade, H.H.; Pradhan, L.; Pradhan, A.; Sones, S.J.; Rao, P.G.; Sudhakar, C. Effectiveness of an educational program to promote pesticide safety among pesticide handlers of South India. *Int. Arch. Occ. Environ. Hea.* **2008**, *81*, 787–795.

- 24. Goldman, L.; Eskenazi, B.; Bradman, A.; Jewell, N.P. Risk behaviors for pesticide exposure among pregnant women living in farmworker households in Salinas, California. *Am. J. Ind. Med.* **2004**, *45*, 491–499.
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