

RESIDENTIAL FARM EXPOSURES MODULE

I am going to ask you about your experiences living on a farm. First we will focus on the time from your birth to age 18.

FE1. Did you live on a farm for 12 months or more at any time from your birth up until age 18? This could be 12 months in a row, or a few months per year over several years.	YES 1 NO [FE30] 2 REF [FE30] 7 DK [FE30] 8
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FE2. In total, on how many farms have you lived from your birth to age 18?	<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> # FARMS
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FE3. About how many years and/or months in total did you live on [<i>this farm/these farms</i>] before age 18?	<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block; margin-right: 5px;"></div> # YEARS # MONTHS
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		Y	N
FE4. Which of the following were raised on the farm[s] where you lived?	a. grains, such as wheat, corn, or rice.....	1	2
	b. soybeans or other oilseeds.....	1	2
	c. vegetables.....	1	2
	d. orchard fruits, such as apples, grapes, or oranges.....	1	2
	e. other fruits such as berries or melons.....	1	2
	f. cotton.....	1	2
	g. tobacco	1	2
	h. other cash crops.....	1	2

<IF NO TO ALL IN FE4a-h, GO TO FE20>

<ASK FE5a-5b ONLY IF FE2 (#FARMS) > 1; IF FE2 = 1, GO TO FE5c>

FE5a. About how many acres of crops were planted on the <u>smallest</u> of the farms you have lived on? Was it...	less than 5 acres..... 1 5 to 9 acres 2 10 to 49 acres 3 50 to 199 acres 4 200 acres or more 5
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FE5b. About how many acres of crops were planted on the <u>largest</u> of the farms you have lived on? Was it...	less than 5 acres..... 1 5 to 9 acres 2 10 to 49 acres 3 50 to 199 acres 4 200 acres or more 5
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FE5c. About how many acres of crops were planted, <u>on average</u> , on the farm[s] where you lived? Was it...	less than 5 acres..... 1 5 to 9 acres 2 10 to 49 acres 3 50 to 199 acres 4 200 acres or more 5
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FE6. Were pesticides ever used on the crops grown on [<i>this farm/any of these farms</i>]? Pesticides include insecticides, herbicides, fungicides and fumigants.	YES 1 NO [FE13] 2 REF [FE13] 7 DK [FE13] 8
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FE7. Did you ever...	FE8. For how many years in total did you do this for any part of the year?	FE9. On average, about how many days per year did you do this? (year = 365 days)
a. personally mix any pesticides at [<i>this farm /any of these farms</i>], or help others do the mixing? YES 1 NO[FE7b]..... 2 REF[FE7b]..... 7 DK[FE7b]..... 8	<div style="text-align: center;"> <input type="text"/><input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/><input type="text"/><input type="text"/> # DAYS PER YEAR </div>
b. personally load pesticides at [<i>this farm any of these farms</i>]? YES 1 NO[FE7c]..... 2 REF[FE7c]..... 7 DK[FE7c]..... 8	<div style="text-align: center;"> <input type="text"/><input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/><input type="text"/><input type="text"/> # DAYS PER YEAR </div>
c. personally apply pesticides at [<i>this farm any of these farms</i>]? YES 1 NO[FE7d]..... 2 REF[FE7d]..... 7 DK[FE7d]..... 8	<div style="text-align: center;"> <input type="text"/><input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/><input type="text"/><input type="text"/> # DAYS PER YEAR </div>
d. clean or help clean the pesticide mixing or application equipment used on [<i>this farm/these farms</i>]? YES 1 NO [*] 2 REF [*] 7 DK [*] 8	<div style="text-align: center;"> <input type="text"/><input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/><input type="text"/><input type="text"/> # DAYS PER YEAR </div>

<* IF NO TO ALL IN FE7 (a, b, c, d) — GO TO FE13>

	Y	N
FE10. When you mixed, loaded, or applied pesticides, or cleaned pesticide equipment at [<i>this farm/these farms</i>], did you <u>usually</u> wear any of the following protective items: (By usually we mean most of the time.) [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]		
a. chemically resistant gloves..... 1 2 b. other gloves, such as cloth or leather 1 2 c. respirator or gas mask 1 2 d. dust mask..... 1 2 e. goggles or a face shield 1 2 f. a hat 1 2 g. long sleeves <u>and</u> long pants..... 1 2 h. chemically resistant boots 1 2 i. an apron..... 1 2 j. chemically resistant disposable outer clothing, such as a Tyvek suit 1 2		
FE11. Did you <u>ever</u> get an unusually high amount of pesticides on your skin or clothing while mixing, loading, or applying pesticides, or repairing pesticide equipment, for example, from a spill or a break in a hose?	YES 1 NO..... [FE13] 2 REF [FE13] 7 DK..... [FE13] 8	
FE12. How many times did this happen in total?		<div style="text-align: center;"> <input type="text"/><input type="text"/> # TIMES </div>
FE13. Did you ever work in the fields at [<i>this farm/any of these farms</i>]?	YES 1 NO..... [FE17] 2 REF [FE17] 7 DK..... [FE17] 8	

FE14. For how many years did you work in the fields for any part of the year at [*this farm/these farms*]?

YEARS

FE15. On average, about how many days per week, per month, or per year did you work in the fields?

DAYS

PER WEEK..... 1
PER MONTH..... [15b] 2
PER YEAR [16] 3

FE15a. How many weeks per year did you work in the fields?

WEEKS

<GO TO FE16>

FE15b. How many months per year did you work in the fields?

MONTHS

FE16. On average, about how many hours per day did you work in the fields?

HOURS/DAY

<IF FE6 = NO (PESTICIDES NOT USED) — GO TO FE19x>

FE17. Were you ever present in the fields at the same time or on the same day as when pesticides were being applied to the crops?

YES 1
NO [FE19x] 2
REF [FE19x] 7
DK [FE19x] 8

FE18. How many years in total did this happen, even just once?

YEARS

FE19. About how many days per year did this happen?

DAYS/YEAR

FE19x. Were chemical fertilizers ever used on the farm[s] where you lived?

YES 1
NO [FE19x1] 2
REF [FE19x1] 7
DK [FE19x1] 8

FE19xa. Did you ever personally apply chemical fertilizers at the farm[s] where you lived?

YES 1
NO [FE19x1] 2
REF [FE19x1] 7
DK [FE19x1] 8

FE19xb. For how many years in total did you do this for any part of the year?

YEARS

FE19xc. On average, about how many days per year did you do this?

DAYS PER YEAR

FE19x1. Were natural fertilizers, such as manure, ever used on the farm[s] where you lived?

YES 1
 NO [FE20] 2
 REF [FE20] 7
 DK [FE20] 8

FE19x1a. Did you ever personally apply natural fertilizers at the farm[s] where you lived?

YES 1
 NO [FE20] 2
 REF [FE20] 7
 DK [FE20] 8

FE19x1b. For how many years in total did you do this for any part of the year?

YEARS

FE19x1c. On average, about how many days per year did you do this?

DAYS PER YEAR

FE20. Were [<i>animal</i>] raised on the farm where you lived?		FE21. On average, about how many [<i>animal</i>] were kept at [<i>this farm/these farms</i>]? Was it...	
a. poultry birds, such as chickens, turkeys, and so forth	YES 1 NO [FE20b] 2 REF [FE20b] 7 DK [FE20b] 8	1 to 24 1 25 to 49 2 50 to 99 3 100 to 399 4 400 or more 5 REF 7 DK 8	
b. beef or dairy cows	YES 1 NO [FE20c] 2 REF [FE20c] 7 DK [FE20c] 8	1 to 9 01 10 to 19 02 20 to 49 03 50 to 99 04 100 to 199 05 200 or more 06 REF 97 DK 98	
c. hogs or pigs	YES 1 NO [FE20d] 2 REF [FE20d] 7 DK [FE20d] 8	1 to 24 1 25 to 49 2 50 to 99 3 100 to 199 4 200 or more 5 REF 7 DK 8	
d. other livestock	YES 1 NO [*] 2 REF [*] 7 DK [*] 8	1 to 24 1 25 to 49 2 50 to 99 3 100 to 199 4 200 or more 5 REF 7 DK 8	

<* IF NO TO ALL IN FE20 (a-d) — GO TO FE30>

FE22. Did you feed, clean, herd, milk, shear, slaughter, or have any other contact with livestock on [this farm/any of these farms]?
 YES 1
 NO..... [FE30] 2
 REF [FE30] 7
 DK..... [FE30] 8

FE23. Were livestock animals, or the buildings where livestock were kept ever treated with pesticides?
 YES 1
 NO..... [FE30] 2
 REF [FE30] 7
 DK..... [FE30] 8

FE24. Did you personally apply pesticides to the animals or buildings where livestock were kept?
 YES 1
 NO..... [FE30] 2
 REF [FE30] 7
 DK..... [FE30] 8

FE25. For how many years in total did you personally apply pesticides to the animals or buildings where livestock were kept, for any part of the year? □ □
YEARS

FE26. On average, about how many days per year did you apply the pesticides? □ □ □
DAYS/YEAR

		Y	N
FE27. When you mixed, loaded, or applied pesticides, or cleaned pesticide equipment at [this farm/these farms], did you <u>usually</u> wear any of the following protective items: (By usually we mean most of the time.) [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]	a. chemically resistant gloves.....	1	2
	b. other gloves, such as cloth or leather	1	2
	c. respirator or gas mask	1	2
	d. dust mask.....	1	2
	e. goggles or a face shield	1	2
	f. a hat	1	2
	g. long sleeves <u>and</u> long pants.....	1	2
	h. chemically resistant boots	1	2
	i. an apron.....	1	2
	j. chemically resistant disposable outer clothing, such as a Tyvek suit.....	1	2

FE28. Did you ever get an unusually high amount of pesticides on your skin or clothing while applying pesticides to the animals or buildings where livestock were kept at [this farm/these farms]?
 YES 1
 NO..... [FE30] 2
 REF [FE30] 7
 DK..... [FE30] 8

FE29. How many times did this happen in total? □ □ □
TIMES

<IF FE1 = NO, REF, OR DK, DO NOT INCLUDE INTRO TEXT.>
 [Now we are going to focus on the time you were age 19 to the present.]

FE30. Have you lived on a farm for 12 months or more since the age of 19? This could be 12 months in a row, or a few months per year over several years.
 YES 1
 NO..... [RS243] 2
 REF [RS243] 7
 DK..... [RS243] 8

FE31. In total, on how many farms have you lived since the age of 19?

FARMS

FE32. About how many years and/or months in all did you live on [this farm/these farms] since the age of 19?

YEARS # MONTHS

		Y	N
FE33. Which of the following were raised on the farm[s] where you lived since the age of 19?	a. grains, such as wheat, corn, or rice.....	1	2
	b. soybeans or other oilseeds.....	1	2
	c. vegetables.....	1	2
	d. orchard fruits, such as apples, grapes, or oranges.....	1	2
	e. other fruits such as berries or melons.....	1	2
	f. cotton.....	1	2
	g. tobacco.....	1	2
	h. other cash crops.....	1	2

<IF NO TO ALL IN FE33a-h, GO TO FE57>

<ASK FE34a-34b ONLY IF FE31 (#FARMS) > 1; IF FE31 = 1, GO TO FE34c>

FE34a. About how many acres of crops were planted on the <u>smallest</u> of the farms you have lived on? Was it...	less than 5 acres.....	1
	5 to 9 acres.....	2
	10 to 49 acres.....	3
	50 to 199 acres.....	4
	200 acres or more.....	5

FE34b. About how many acres of crops were planted on the <u>largest</u> of the farms you have lived on? Was it...	less than 5 acres.....	1
	5 to 9 acres.....	2
	10 to 49 acres.....	3
	50 to 199 acres.....	4
	200 acres or more.....	5

FE34c. About how many acres of crops were planted, <u>on average</u> , on the farm[s] where you lived? Was it...	less than 5 acres.....	1
	5 to 9 acres.....	2
	10 to 49 acres.....	3
	50 to 199 acres.....	4
	200 acres or more.....	5

FE35. Were pesticides ever used on the crops grown on [this farm/any of these farms]? Pesticides include insecticides, herbicides, fungicides and fumigants.	YES.....	1
	NO..... [FE42].....	2
	REF..... [FE42].....	7
	DK..... [FE42].....	8

FE36. Did you ever...		FE37. For how many years in total did you do this for any part of the year?	FE38. On average, about how many days per year did you do this? (year = 365 days)
a. personally mix any pesticides at [<i>this farm /any of these farms</i>], or help others do the mixing?	YES 1 NO [FE36b] 2 REF [FE36b] 7 DK [FE36b] 8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR
b. personally load pesticides at [<i>this farm any of these farms</i>]?	YES 1 NO [FE36c] 2 REF [FE36c] 7 DK [FE36c] 8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR
c. personally apply pesticides at [<i>this farm any of these farms</i>]?	YES 1 NO [FE36d] 2 REF [FE36d] 7 DK [FE36d] 8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR
d. clean or help clean the pesticide mixing or application equipment used on [<i>this farm/these farms</i>]?	YES 1 NO [*] 2 REF [*] 7 DK [*] 8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR

<* IF NO TO ALL IN FE36 (a, b, c, d) — GO TO FE42>

	Y	N
FE39. When you mixed, loaded, or applied pesticides, or cleaned pesticide equipment at [<i>this farm/these farms</i>], did you <u>usually</u> wear any of the following protective items: (By usually we mean most of the time.) [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]		
a. chemically resistant gloves.....	1	2
b. other gloves, such as cloth or leather	1	2
c. respirator or gas mask	1	2
d. dust mask.....	1	2
e. goggles or a face shield	1	2
f. a hat	1	2
g. long sleeves <u>and</u> long pants.....	1	2
h. chemically resistant boots	1	2
i. an apron.....	1	2
j. chemically resistant disposable outer clothing, such as a Tyvek suit	1	2
FE40. Did you <u>ever</u> get an unusually high amount of pesticides on your skin or clothing while mixing, loading, or applying pesticides, or repairing pesticide equipment, for example, from a spill or a break in a hose?	YES 1 NO..... [FE42] 2 REF [FE42] 7 DK..... [FE42] 8	
FE41. How many times did this happen in total?		<input type="text"/> # TIMES
FE42. Did you ever work in the fields at [<i>this farm/any of these farms</i>]?	YES 1 NO..... [FE46] 2 REF [FE46] 7 DK..... [FE46] 8	

FE43. For how many years did you work in the fields for any part of the year at [*this farm/these farms*]?

YEARS

FE44. On average, about how many days per week, per month, or per year did you work in the fields?

DAYS

PER WEEK..... 1
PER MONTH.....[FE44b]..... 2
PER YEAR[FE45] 3

FE44a. How many weeks per year did you work in the fields?

WEEKS

<GO TO FE45>

FE44b. How many months per year did you work in the fields?

MONTHS

FE45. On average, about how many hours per day did you work in the fields?

HOURS/DAY

<IF FE35 = NO (PESTICIDES NOT USED) — GO TO FE49>

FE46. Were you ever present in the fields at the same time or on the same day as when pesticides were being applied to the crops?

YES 1
NO..... [FE49] 2
REF [FE49] 7
DK..... [FE49] 8

FE47. How many years in total did this happen, even just once?

YEARS

FE48. About how many days per year did this happen?

DAYS/YEAR

FE49. Were chemical fertilizers ever used on the farm[s] where you lived?

YES 1
NO..... [FE53] 2
REF [FE53] 7
DK..... [FE53] 8

FE50. Did you ever personally apply chemical fertilizers at the farm[s] where you lived?

YES 1
NO..... [FE53] 2
REF [FE53] 7
DK..... [FE53] 8

FE51. For how many years in total did you do this for any part of the year?

YEARS

FE52. On average, about how many days per year did you do this?

DAYS PER YEAR

FE53. Were natural fertilizers, such as manure, ever used on the farm[s] where you lived?

YES 1
 NO..... [FE57]2
 REF [FE57] 7
 DK..... [FE57] 8

FE54. Did you ever personally apply natural fertilizers at the farm[s] where you lived?

YES 1
 NO..... [FE57]2
 REF [FE57] 7
 DK..... [FE57] 8

FE55. For how many years in total did you do this for any part of the year?

YEARS

FE56. On average, about how many days per year did you do this?

DAYS PER YEAR

FE57. Were [<i>animal</i>] raised on the farm where you lived?		FE58. On average, about how many [<i>animal</i>] were kept at [<i>this farm/these farms</i>]? Was it...	
a. poultry birds, such as chickens, turkeys, and so forth	YES 1 NO [FE57b]2 REF [FE57b] 7 DK [FE57b] 8	1 to 24 1 25 to 49 2 50 to 99 3 100 to 399 4 400 or more..... 5 REF 7 DK 8	
b. beef or dairy cows	YES 1 NO [FE57c] 2 REF [FE57c] 7 DK [FE57c] 8	1 to 9 01 10 to 19 02 20 to 49 03 50 to 99 04 100 to 199 05 200 or more..... 06 REF 97 DK 98	
c. hogs or pigs	YES 1 NO [FE57d] 2 REF [FE57d] 7 DK [FE57d] 8	1 to 24 1 25 to 49 2 50 to 99 3 100 to 199 4 200 or more..... 5 REF 7 DK 8	
d. other livestock	YES 1 NO [*] 2 REF [*] 7 DK [*] 8	1 to 24 1 25 to 49 2 50 to 99 3 100 to 199 4 200 or more..... 5 REF 7 DK 8	

<* IF NO TO ALL IN FE57 (a-d) — GO TO RS243>

FE59. Did you feed, clean, herd, milk, shear, slaughter, or have any other contact with livestock on [this farm/any of these farms]?
 YES 1
 NO [RS243] 2
 REF [RS243] 7
 DK [RS243] 8

FE60. Were livestock animals, or the buildings where livestock were kept ever treated with pesticides?
 YES 1
 NO [RS243] 2
 REF [RS243] 7
 DK [RS243] 8

FE61. Did you personally apply pesticides to the animals or buildings where livestock were kept?
 YES 1
 NO [RS243] 2
 REF [RS243] 7
 DK [RS243] 8

FE62. For how many years in total did you personally apply pesticides to the animals or buildings where livestock were kept, for any part of the year?
 # YEARS

FE63. On average, about how many days per year did you apply the pesticides?
 # DAYS/YEAR

		Y	N
FE64. When you mixed, loaded, or applied pesticides, or cleaned pesticide equipment at [this farm/these farms], did you usually wear any of the following protective items: (By usually we mean most of the time.) [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]	a. chemically resistant gloves.....	1	2
	b. other gloves, such as cloth or leather	1	2
	c. respirator or gas mask	1	2
	d. dust mask.....	1	2
	e. goggles or a face shield	1	2
	f. a hat	1	2
	g. long sleeves <u>and</u> long pants.....	1	2
	h. chemically resistant boots	1	2
	i. an apron.....	1	2
	j. chemically resistant disposable outer clothing, such as a Tyvek suit	1	2

FE65. Did you ever get an unusually high amount of pesticides on your skin or clothing while applying pesticides to the animals or buildings where livestock were kept at [this farm/these farms]?
 YES 1
 NO [RS243] 2
 REF [RS243] 7
 DK [RS243] 8

FE66. How many times did this happen in total?
 # TIMES

<GO TO RS243>