| **Category** | **Item** | **Child questionnaire** |
| --- | --- | --- |
| **Unacceptable working hour conditions** | A. If children are under 12 years old: Whether worked **One or more hours per week** | **Age range:**  *A2. How old are you?*  **Whether worked: Past 7 days: Yes/affirmative to any of the questions:**  *D1: Did you engage in any work for at least one hour (in a row or in total) during the last 7 days?*  *D6. Did you work in agriculture for at least one hour during the past 7 days?*  *D7. Did you do work on a cocoa farm for at least one hour during the past 7 days?*  **Whether worked: Past 12 months: Yes/affirmative to any of the questions:**  *D9. In the past 12 months, did you engage in any work for at least one hour?*  *D10. During the last 12 months, have you worked in agriculture?*  *D13. During the last 12 months, have you worked in cocoa farming?*  **Working hours in economic activities (agriculture and other than agriculture) Past 7 days:**  *E2. Total number of hours spent on agricultural work over the past 7 days:*  *E3. Total number of hours spent on economic activities other than agriculture in the past 7 days?* Total number of working hours during the last seven days = Working hours in agriculture (E2) + Working hours in economic activities other than agriculture (E3)  **Working hours in economic activities (agriculture and other than agriculture) Past 12 month:**  *E20. Now I will ask you about work that you did over the past 12 months. How many hours did you work in a usual (typical) week (Monday to Sunday)?*  **Employment below the minimum age is evaluated for each age group:** - If child is between 12 and 14 years old:  = 1 if total working hours is greater than 13 for the past 7 days/12 months  = 0 otherwise  - If child is between 15 and 17 years old:  = 1 if total working hours is greater than 42 over the past 7 days/12 months  = 0 otherwise  **Variables:** haz\_hours\_7d\_common, haz\_hours\_12m\_common  NOTE: 43 or more hours per week is not only CL but HCL for children under 18 (not just children 15-17 although Conditions A and B encompass this). |
| B. If children are between 12 to 14 years old**: 14 or more hours per week** |
| C. If children are between 15 to 17 years old: **43 or more hours per week** |
| **Hazardous labor** | (1)    Land clearing, or felling and chopping, or burning | **7 days reference period:** *D8. I am going to read a list of work activities in agriculture. Please tell me, during the last 7 days, have you worked at any of the following activities on a cocoa farm including offsite cocoa processing facilities?*  **12 months reference period:**  *D14. I am going to read a list of work activities in agriculture, please tell me, during the last 12 months, have you worked at any of the following activities on a cocoa farm (including offsite cocoa processing facilities)?*  **Possible answers:** *A=Land clearing B=Tree felling and chopping C=Burning*  **An indicator variable is constructed for each reference period:** = 1 if the child reports using during the past 7 days/12 months:  - Land clearing; or  - Tree felling and chopping; or  - Burning. = 0 otherwise  **Variables:** haz\_land\_7d\_common, haz\_land\_12m\_common |
| (2)    Carrying heavy loads | **7 days reference period:**  G1a. For each of the following activities selected in G1, please tell me whether the loads you carried were heavy or not.  **12 months reference period:**  *G2a. For each of the following activities selected in G2, please tell me whether the loads you carried were heavy or not.*  **An indicator variable is constructed for each reference period:** = 1 if the child reports having carried at least one heavy load during the past 7 days/12 months = 0 otherwise  **Variables:** haz\_loads\_7d\_common, haz\_loads\_12m\_common |
| (3)    Spraying or being around during or within less than 12 hours of the spraying of pesticides or insecticides; carrying water for spraying; or working with agrochemicals. | Spraying or being around during or within less than 12 hours of the spraying  **7 days reference period:** *H1. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 7 days? Simplified: Please tell me if any of these harmful or dangerous things happened to you due to agriculture work in the past 7 days.*  **12 months reference period:** *H4. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 12 months?*  **Possible answers:** *G=Spraying of pesticides, insecticides H=Being present or working in the vicinity of farm during pesticide spraying  I=Reentering a sprayed farm within less than 12 hours of spraying*  Carrying water for spraying  **7 days reference period:** *D8. I am going to read a list of work activities in agriculture. Please tell me, during the last 7 days, have you worked at any of the following activities on a cocoa farm including offsite cocoa processing facilities?*  **12 months reference period:** *D14. I am going to read a list of work activities in agriculture, please tell me, during the last 12 months, have you worked at any of the following activities on a cocoa farm (including offsite cocoa processing facilities)?*  **Possible answers:**  *O=Carrying water for spraying*  Working with agrochemicals  **7 days reference period:** *H10: When working in agriculture in the past 7 days, were you involved in any of the following activities?*  **12 months reference period:** *H11: When working in agriculture in the past 12 months, were you involved in any of the following activities?*  **Possible answers:**  A= The sale, transport, or handling of agro-chemical products like insecticides, herbicides, fungicide, chemical fertilizers, etc. This includes mixing and loading chemicals  B= Washing containers or agro-chemical products (insecticides, herbicides, fungicide, chemical fertilizers, etc.) and spraying machine, and/or disposal of agrochemical products  **An indicator variable is constructed for each reference period:** = 1 if the child reports exposure to at least one of the following:  - Spraying of pesticides or insecticides; or  - Being present or working in the vicinity during pesticide spraying; or  - Reentering a sprayed farm within less than 12 hours of spraying; or  - Carrying water for spraying; or  - Having been involved in working with agro-chemical products (insecticides, herbicides, fungicide, chemical fertilizers, etc.) including purchasing, transport, storage, mixing, loading, spraying/applying, washing of containers and spraying machine, and/or disposal.  = 0 otherwise  **Variables:** haz\_spray\_7d\_common, haz\_spray\_12m\_common |
| (4)    Use of sharp tools[[1]](#footnote-1) | **7 days reference period:** *I1. When working in agriculture in the last 7 days, were you involved in any of the following activities?*  **12 months reference period:** *I2. When working in agriculture in the last 12 months, were you involved in any of the following activities?*  **Possible answers:** *A= Using machetes/long cutlasses for weeding*  *B= Handling motorized equipment or machines such as working with motorized mist blower, knapsack sprayer and/or chainsaw*  *C= Harvesting with a machete or sickle*  *D= Harvesting overhead cocoa pods with harvesting hook*  *E= Breaking cocoa pods with knife or a sharp object /tool*  **An indicator variable is constructed for each reference period:** = 1 if the child reports exposure to at least one of the following during past 7 days/12 months:  - Using machetes/long cutlasses for weeding; or  - Working with motorized mist blower, knapsack sprayer and/or chainsaw; or  - Harvesting with a machete or sickle; or  - Harvesting overhead cocoa pods with harvesting hook; or  - Breaking cocoa pods with knife or a sharp object tool. = 0 otherwise  **Variables:** haz\_tools\_7d\_common, haz\_tools\_12m\_common |
| (5)    Long working hours[[2]](#footnote-2) for children 5-17 (to be asked to children above 11) | **7 days reference period:**  Calculate **Total number of working hours during the last 7 days** = Working hours in agriculture (E2) + Working hours in economic activities other than agriculture (E3)  **12 months reference period:**  *E20. Now I will ask you about work that you did over the past 12 months. How many hours did you work in a usual (typical) week (Monday to Sunday)?*  **An indicator variable is constructed:** = 1 if total working hours is equal or greater than 43 during past 7 days/12 months = 0 otherwise  **Variables:** haz\_longhours\_7d\_common, haz\_longhours\_12m\_common |
| (6)    Night work[[3]](#footnote-3) | **7 days reference period:** *H2: In the past 7 days, did you perform agricultural work at least once during the following time periods?*  *H3. In the past 7 days, did you work or travel to/from the fields or cocoa farm between 6PM and 6AM (when it was dark)?*  *H3a: Were you ever alone during this time?*  **12 months reference period:** *H6: In the last 12 months, did you perform agricultural work at least once?*  *H7. In the last 12 months, did you go to or return from the fields or the cocoa farm alone at least once:*  **Possible answers:**  *A= Between 6pm and 7pm*  *B= Between 7pm and 6am*  **An indicator variable is constructed for each reference period:** = 1 if the child reports going to or returning from the farm alone, or working on the farm between 6.00 p.m. and 6.00 a.m. during the past 7 days/12 months = 0 otherwise  **Variables:** haz\_night\_7d\_common, haz\_night\_12m\_common |

**GHANA**

| **Category** | **Item** | **Child questionnaire** |
| --- | --- | --- |
| **Unacceptable working hour conditions[[4]](#footnote-4)** | A. If children are under 12 years old:  **One or more hours per week** | **Age range:**  *A2. How old are you?*  **Whether worked: Past 7 days: Yes/affirmative to any of the questions:**  *D1: Did you engage in any work for at least one hour (in a row or in total) during the last 7 days?*  *D6. Did you work in agriculture for at least one hour during the past 7 days?*  *D7. Did you do work on a cocoa farm for at least one hour during the past 7 days?*  **Whether worked: Past 12 months: Yes/affirmative to any of the questions:**  *D9. In the past 12 months, did you engage in any work for at least one hour?*  *D10. During the last 12 months, have you worked in agriculture?*  *D13. During the last 12 months, have you worked in cocoa farming?*  **Total number of working hours during the last 7 days:**  Working hours in agriculture (E2) + Working hours in economic activities other than agriculture(E3)  **Whether each day of the past 7 days was a school day:**  *L10. Which of the following days from past week were considered school days, meaning that schools were open?*  **Whether child has completed school:**  *L6. What is the highest level of school you have ever attended*?  **Possible answers:**  *L= JH3*  *M= Second Cycle*  *N=Tertiary*  **Past 7 days reference period**  **Employment below the minimum age is evaluated for each age group:** - If child is between 5 and 11 years old:  = 1 if Total working hours is at least 1  = 0 otherwise  - If child is between 12 and 14 years old:  = 1 if child works more than 2 hours/day on school days  = 1 if child works more than 3 hours/day or 18 hours/week during non-school days (weekends & holidays)  = 0 otherwise  - If child is between 15 and 17 years old:  = 1 if child works more than 2 hours/day on school days; or  = 1 if child works more than 3 hours/day or 18 hours/week during non-school days (weekends & holidays) for those who did not complete school.  = 0 otherwise  - If child has completed school[[5]](#footnote-5):  = 1 if child works more than 3 hours/day or 18 hours/week.  = 0 otherwise  **12 Month reference period:**  **Employment below the minimum age is evaluated for each age group:**  - If child is between 5 and 11 years old:  = 1 if Total working hours is at least 1  = 0 otherwise  - If child is between 12 and 17 years old:  = 1 if child works more than 3 hours/day or 18 hours/week   = 0 otherwise  - If child has completed school[[6]](#footnote-6):  = 1 if child works more than 3 hours/day or 18 hours/week.  = 0 otherwise  **Variables:** work\_hours\_7d\_ghana, work\_hours\_12m\_ghana |
| B.  If the child is between 12 and 14 years old:  **Works more than 2 hours/day on school days or 3 hrs/day or 18hr/week during non-school days (weekends & holidays)** |
| C.   For children aged 15-17 years on non-school days and/or who have completed school:  **More than 3 hours/day, or more than 18 hours/week** |
| **Hazardous labor** | (1)    For children under 15: Working full time on farm and not attending formal/non-formal school [[7]](#footnote-7); | **Full-time work on farm:** >42 hours per week **(to be confirmed during the workshop)**  **7 days reference period**  **Total number of working hours during the last 7 days:** Working hours in agriculture (E2) + Working hours in economic activities other than agriculture(E3)  **12 Month reference period:**  **Total number of working hours during the last 7 days in a typical week:**  *E20. Now I will ask you about work that you did over the past 12 months. How many hours did you work in a usual (typical) week (Monday to Sunday)?*  **Child attending school:**  *L4. Are you currently attending school?*  **An indicator variable is constructed:** = 1 if the child reports working full time (>42 hours per week) on farm[[8]](#footnote-8) and child not attending school  = 0 otherwise  **Variables:** haz\_longhrs\_7d\_ghana, haz\_longhrs\_12m\_ghana |
| (2)    Withdrawing school during cocoa season to do farm work; | **Withdrawn from school:**  *L28. Did you have to withdraw from school during this cocoa season to do farm work?*  **An indicator variable is constructed:** = 1 if the child reports having withdrawn from school during this cocoa season to do farm work, = 0 otherwise  **Variables:** haz\_school\_ghana |
| (3)   Clearing of forest, or felling of tress, or bush burning; | **7 days reference period:** *D8. I am going to read a list of work activities in agriculture. Please tell me, during the last 12 months, have you worked at any of the following activities on a cocoa farm including offsite cocoa processing facilities?*  **12 months reference period:** *D14. I am going to read a list of work activities in agriculture, please tell me, during the last 7 days, have you worked at any of the following activities on a cocoa farm (including offsite cocoa processing facilities)?*  **Possible answers:**  *A=Land clearing*  *B=Tree felling and chopping*  *C=Burning*  **An indicator variable is constructed for each reference period:** = 1 if the child reports using:  - Clearing; or  - Tree felling and chopping; or  - Burning. = 0 otherwise  Note: this is the same as the common definition  **Variables:** haz\_land\_7d\_ghana, haz\_land\_12m\_ghana |
| (4)    Carrying heavy loads beyond permissible carrying weight[[9]](#footnote-9) | **7 days reference period:**  G*10. Over the past 7 days, have you carried any load for more than 3 km as part of your work in agriculture?*  *G10a: What is the weight of the heaviest load that you carried over this distance (3 km) during the past 7 days?*  **12 months reference period:** *G11. Over the past 12 months, have you carried any load for more than 3 km as part of your work in agriculture?*  *G11a: What is the weight of the heaviest load that you carried over this distance (3 km) during the past 12 months?*  **Possible answers:**  *1= Heaviest load is over one third of child’s body weight*  **An indicator variable is constructed for each reference period:** = 1 if the child reports carrying heavy loads beyond permissible carrying weight during the past 7 days/12 months, = 0 otherwise  **Variables:** haz\_loads\_7d\_ghana, haz\_loads\_12m\_ghana |
| (5)    Spraying or being around during or within less than 12 hours of the spraying of pesticides or insecticides; or working with agrochemicals; | **7 days reference period:** *H1. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 7 days?*  *H10: When working in agriculture in the past 7 days, were you involved in any of the following activities?*  **12 months reference period:** *H4. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 12 months?*  *H11: When working in agriculture in the past 12 months, were you involved in any of the following activities?*  **Possible answers:**  *G=Spraying of pesticides, insecticides*  *H=Being present or working in the vicinity of farm during pesticide spraying  I=Reentering a sprayed farm within less than 12 hours of spraying*  *A= The sale, transport, or handling of agro-chemical products like insecticides, herbicides, fungicide, chemical fertilizers, etc. This includes mixing and loading chemicals*  *B= Washing containers or agro-chemical products (insecticides, herbicides, fungicide, chemical fertilizers, etc.) and spraying machine, and/or disposal of agrochemical products*  **An indicator variable is constructed for each reference period:** = 1 if the child reports using:  - Spraying of pesticides or insecticides; or  - Being present or working in the vicinity of farm during pesticide spraying; or  - Reentering a sprayed farm within less than 12 hours of spraying; or  - Working with agro-chemical products (insecticides, herbicides, fungicide, chemical fertilizers, etc.) including purchasing, transport, storage, mixing, loading, spraying/applying, washing of containers and spraying machine, and/or disposal  = 0 otherwise  **Variables:** haz\_spray\_7d\_ghana, haz\_spray\_12m\_ghana |
| (6)    Using machete/long cutlass; motorized mist blower, knapsack sprayer and/or chainsaw; harvesting hook; or breaking knife; | **7 days reference period:** *I1. When working in agriculture in the last 7 days, were you involved in any of the following activities?*  **12 months reference period:** *I2. When working in agriculture in the last 12 months, were you involved in any of the following activities?*  **Possible answers:** *A= Using machetes/long cutlasses for weeding*  *B= Handling motorized equipment or machines such as working with a motorized mist blower, knapsack sprayer machine, or chainsaw*  *C= Harvesting with a machete or sickle*  *D= Harvesting overhead cocoa pods with harvesting hook or sickle E= Breaking cocoa pods with knife or sharp object/tool*  **An indicator variable is constructed for each reference period:** = 1 if the child reports using:  - Machete/long cutlass; or  - Motorized mist blower, knapsack sprayer and/or chainsaw; or  - Harvesting with a machete or sickle  - Harvesting hook/sickle; or   - Knife or sharp object/tool. = 0 otherwise  Note: this is the same as the common definition  **Variables:** haz\_tools\_7d\_ghana, haz\_tools\_12m\_ghana |
| (7)    Climbing trees higher 3 meters; | **7 days reference period:** *H1. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 7 days? Simplified: Please tell me if any of these harmful or dangerous things happened to you due to agriculture work in the past 7 days.*  **12 months reference period:** *H4. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 12 months?*    **Possible answers:**  *E= Climbing trees higher than 3 meters to cut mistletoe with cutlass*  **An indicator variable is constructed for each reference period:** = 1 if the child reports Climbing trees higher than 3 meters during the past 7 days/12 months, = 0 otherwise  **Variables:** haz\_climb\_7d\_ghana, haz\_climb\_12m\_ghana |
| (8)    Going to or returning from the farm alone, or working on the farm between 6.00 p.m. and 6.00 a.m.; | **7 days reference period:** *H2: In the past 7 days, did you perform agricultural work at least once during the following time periods?*  *H3: In the past 7 days, did you go to or return from the fields or the cocoa farm alone at least once during the following time periods?*  **12 months reference period:** *H6: In the last 12 months, did you perform agricultural work at least once?*  *H6a: In the last 12 months, did you go to or return from the fields or cocoa farm alone at least once?*  **Possible answers:**  *A= Between 6pm and 7pm*  *B= Between 7pm and 6am*  **An indicator variable is constructed for each reference period:** = 1 if the child reports going to or returning from the farm alone, or working on the farm between 6 p.m. and 6 a.m. during the past 7 days/12 months, = 0 otherwise  Note: this is the same as the common definition  **Variables:** haz\_night\_7d\_ghana, haz\_night\_12m\_ghana |
| (9)    A child working alone on the farm in isolation[[10]](#footnote-10) | **7 days reference period:** *H1. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 7 days? Simplified: Please tell me if any of these harmful or dangerous things happened to you due to agriculture work in the past 7 days.*  **12 months reference period:** *H4. I am going to read a list of possible environmental hazards and other difficulties that can be experienced when working in agriculture. Please tell me whether you experienced any of the following environmental hazards and other difficulties while working in agriculture in the last 12 months?*  **Possible answers:**  *J= Working alone on the farm in isolation (i.e. beyond visible or audible range of nearest adult)*  **An indicator variable is constructed for each reference period:** = 1 if the child reports having worked alone on the farm in isolation during the past 7 days/12 months, = 0 otherwise  **Variables:** haz\_isolation\_7d\_ghana, haz\_isolation\_12m\_ghana |
| (10)    Working without adequate basic foot and body protective clothing[[11]](#footnote-11) | **7 days reference period:** *H12a. In the past 7 days, did you use any of the following protective wear while working in agriculture?*  **12 months reference period:** *H12b. In the past 12 months, did you use any of the following protective wear while working in agriculture?*  **Possible answers:**  *A= Protective boots (Wellington boots, Afro Moses)*  *C = Protective clothing (overall, long sleeves, trousers)*  **An indicator variable is constructed for each reference period:** = 1 if the child reports having worked without adequate ANY basic foot and body protective clothing during the past 7 days/12 months,  = 0 otherwise  **Variables:** haz\_protective\_7d\_ghana, haz\_protective\_12m\_ghana |

**Cote d’Ivoire**

| **Category** | **Item** | **Child questionnaire** |
| --- | --- | --- |
| **Unacceptable working hour conditions** | A. If children are under 13 years old: **Works one or more hours per week** | **Age range:**  *A2. How old are you?*  **Whether worked: Past 7 days: Yes/affirmative to any of the questions:**  *D1: Did you engage in any work for at least one hour (in a row or in total) during the last 7 days?*  *D6. Did you work in agriculture for at least one hour during the past 7 days?*  *D7. Did you do work on a cocoa farm for at least one hour during the past 7 days?*  **Whether worked: Past 12 months: Yes/affirmative to any of the questions:**  *D9. In the past 12 months, did you engage in any work for at least one hour?*  *D10. During the last 12 months, have you worked in agriculture?*  *D13. During the last 12 months, have you worked in cocoa farming?*  **Total number of working hours during the last 7 days:**  Working hours in agriculture (E2) + Working hours in economic activities other than agriculture(E3)  **Whether each day of the past 7 days was a school day:**  *L10. Which of the following days from past week were considered school days, meaning that schools were open?*  **Employment below the minimum age is evaluated for each age group:** - If child is between 5 and 12 years old:  = 1 if Total working hours is at least 1  = 0 otherwise  - If child is between 13 and 16 years old[[12]](#footnote-12):  = 1 if child works more than 2 hours/day on average or 10 hours/week on school days; or  child works more than 4 hours/day on average or more than 14 hours/week on non-school days.  = 0 otherwise - If child is above 16 and under 18 years old:  = 1 if Total working hours is more than 40  = 0 otherwise  **Variables:** vio\_maxhr\_7d\_cdi, vio\_maxhr\_12m\_cdi |
| B. If children aged between 13 and 16 years: **Works more than 2 hours/day and/or 10 hours/week on school days**  **Works more than 4 hours/day and/or 14 hours/week on non-school days** |
| C.     If children above 16 and under 18 years: **Works more than 40 hours per week** |
| **Hazardous labor** | (1)    For children between 13 and 16 year old: Less than and one full day of rest per week. | **Age range:**  *A2. How old are you?*  **Resting days in the past week:** *L25. During how many of the last 7 days did you rest?*  **An indicator variables is constructed for children 13-16 years old:** =1 if child did not have at least one full day of rest in the past 7 days =0 otherwise  **Variables:** haz\_rest\_7d\_cdi |
| (2)    Land clearing, tree felling, bush burning, tree stump removal, animal-drawn cultivation; | **7 days reference period:** *D8. I am going to read a list of work activities in agriculture. Please tell me, during the last 12 months, have you worked at any of the following activities on a cocoa farm including offsite cocoa processing facilities?*  **12 months reference period:** *D14. I am going to read a list of work activities in agriculture, please tell me, during the last 7 days, have you worked at any of the following activities on a cocoa farm (including offsite cocoa processing facilities)?*  **Possible answers:**  *A=Land clearing B=Tree felling and chopping C=Burning D=Stumping/stump removal*  **7 days reference period:** *I1. When working in agriculture in the last 7 days, were you involved in any of the following activities?*  **12 months reference period:** *I2. When working in agriculture in the last 12 months, were you involved in any of the following activities?*  **Possible answer:** *F= Working with animal-drawn tools, machinery, or vehicles*  **Whether received Training:**  *I3. Did you receive formal training specifically about one of the following categories of activities?*  **Possible answer:**  *B=Land clearing*  **An indicator variable is constructed for each reference period:** = 1 if the child is between 5 and 15 years old and reports having worked in;  - Land clearing; or  - Tree felling; or  - Bush burning; or   - Tree stump removal; or  - Animal-drawn cultivation. = 1 if the child is between 16 and 17 years old, has not received any training on land clearing, and reports having worked in;  - Land clearing; or  - Tree felling; or  - Bush burning; or   - Tree stump removal; or  - Animal-drawn cultivation.  = 0 otherwise  **Variables:** haz\_land\_7d\_cdi, haz\_land\_12m\_cdi |
| (3)    Charcoal production and working as a lumberjack, digging a hole, hunting[[13]](#footnote-13); | **7 days reference period:** *D8. I am going to read a list of work activities in agriculture. Please tell me, during the last 12 months, have you worked at any of the following activities on a cocoa farm including offsite cocoa processing facilities?*  **12 months reference period:** *D14. I am going to read a list of work activities in agriculture, please tell me, during the last 7 days, have you worked at any of the following activities on a cocoa farm (including offsite cocoa processing facilities)?*  **Possible answers:**  *I=Holing/planting of seedlings*  *X=Hunting with weapon Y=Charcoal production*  *Z=Working as a lumberjack*  **Training:**  *I3. Did you receive formal training specifically about one of the following categories of activities?*  **Possible answers:**  *A=Preparing and handling seedlings*  *C=Holing/planting of seedlings*  **An indicator variable is constructed for each reference period:** = 1 if the child reports exposure to at least one of the following:  - Charcoal production; or  - Working as a lumberjack; or  - Hunting with weapon.  = 1 if the child is between 5 and 15 years old and reports digging a hole.  = 1 if the child is between 16 and 17 years old, has not received any training on preparing and handling seedlings or holing/planting of seedlings, and reports digging a hole.  = 0 otherwise  **Variables:** haz\_charcoal\_7d\_cdi, haz\_charcoal\_12m\_cdi |
| (4)    Carrying heavy loads, varying by gender, age, and type of transportation used; | **12 months reference period:** *G13a. Please describe to me the heaviest load you transported on the head or at arm’s length so I can estimate its weight.*  *G13b.* *Please describe to me the heaviest load you transported by wheelborrow so I can estimate its weight.*  *G13c.* *Please describe to me the heaviest load you transported by handcart so I can estimate its weight.*  *G13d.* *Please describe to me the heaviest load you transported by railway wagon so I can estimate its weight.*  *G13e.* *Please describe to me the heaviest load you transported by tricycle-carrier so I can estimate its weight.*  *G13f.* *Please describe to me the heaviest load you transported by vehicle with 3 or 4 wheels so I can estimate its weight.*  **7 days reference period:**  *G7a. Please describe to me the heaviest load you transported on the head or at arm’s length so I can estimate its weight.*  *G7b.* *Please describe to me the heaviest load you transported by wheelborrow so I can estimate its weight.*  *G7c.* *Please describe to me the heaviest load you transported by handcart so I can estimate its weight.*  *G7d.* *Please describe to me the heaviest load you transported by railway wagon so I can estimate its weight.*  *G7e.* *Please describe to me the heaviest load you transported by tricycle-carrier so I can estimate its weight.*  *G7f.* *Please describe to me the heaviest load you transported by vehicle with 3 or 4 wheels so I can estimate its weight.*  **Possible answers:** *-Carried loads in excess of 15 kg in the case of males; 8 kg in the case of females (for ages 14 to 15) -Carried loads in excess of 20 kg in the case of males; 10 kg in the case of males (for ages 16 to 17) -Transported loads by wheelbarrow in excess of 40 kg in the case of males; 30 kg in the case of females, vehicle included (for ages 14 to 17) -Transported loads by vehicle with 3 or 4 wheels in excess of 60 kg in the case of males; 35 kg in the case of females, vehicle included (for age 14 to 17) -Transported loads by handcart in excess of 130 kg, vehicle included (for MALES age 14 to 17) -Transported loads by tricycle-carrier in excess of 50 kg, vehicle included (for MALES age 14 to 15) -Transported loads by tricycle-carrier in excess of 75 kg, vehicle included (for MALES age 16 to 17) -Transported loads by railway cart in excess of 500 kg in the case of males; 300 kg in the case of females (for ages 14 to 17)*  **An indicator variable is constructed for each reference period:** = 1 if the child reports having carried at least one heavy load (below 14 and varying by gender, age (14-17), and type of transportation used, according to the above categories) during the past 7 days/12 months, = 0 otherwise  **Variables:** haz\_loads\_7d\_cdi, haz\_loads\_12m\_cdi |
| (5)    The sale, transportation, handling and application of agro-pharmaceutical products; | **7 days reference period:** *H10: When working in agriculture in the past 7 days, were you involved in any of the following activities?*  **12 months reference period:** *H11: When working in agriculture in the past 12 months, were you involved in any of the following activities?*  **Possible answers:**  *A=The sale, transport, or handling of agro- chemical products like insecticides, herbicides, fungicide, chemical fertilizers, etc. This includes mixing and loading the chemicals*  *B= Washing containers of agro-chemical products (insecticides, herbicides, fungicide, chemical fertilizers, etc.) and spraying machine, and/or disposal of agro-chemical products*  **Training:**  *I3. Did you receive formal training specifically about one of the following categories of activities?*  *I6. Have you received any formal training on occupational safety and health and/or training on using appropriate safety equipment at work?*  **Possible answers:**  *D=Applying pesticides, insecticides and fertilizers*  **An indicator variable is constructed for each reference period:** = 1 if the child is between 5 and 15 years old and reports having participated in the sale, transportation, handling and application of agro-pharmaceutical products during the reference period.  = 1 if the child is between 16 and 17 years old, has not received any training on applying pesticides, insecticides and fertilizers, and reports having been involved in the sale, transport, or handling of agro- chemical products like insecticides, herbicides, fungicide, chemical fertilizers, etc.  = 1 if the child is between 16 and 17 years old, has not received any training on occupational safety and health, and reports having been involved in Washing containers of agro-chemical products (insecticides, herbicides, fungicide, chemical fertilizers, etc.) and spraying machine, and/or disposal of agro-chemical products. = 0 otherwise  **Variables:** haz\_agro\_7d\_cdi, haz\_agro\_12m\_cdi |
| (6)    Harvesting with a machete or sickle; handling motorized equipment/machines; pod breaking with a sharp object/tool; | **7 days reference period:** *I2. When working in agriculture in the last 7 days, were you involved in any of the following activities?*  **12 months reference period:** *I1. When working in agriculture in the last 12 months, were you involved in any of the following activities?*    **Possible answer:**  *B= Handling motorized equipment/machines such as working with motorized mist blower, knapsack sprayer and/or chainsaw* *C= Harvesting with a machete or sickle E= Breaking cocoa pods with knife or a sharp object/tool*  **Training:**  *I3. Did you receive formal training specifically about one of the following categories of activities?*  **Possible answers:**  *E=Harvesting*  *F=Cocoa pod breaking*  *I=Driving motorized vehicles (tractors, motorized tools)*  **An indicator variable is constructed for each reference period:** = 1 if the child is between 5 and 15 years old and reports having worked in:  - Harvesting with a machete or sickle; or  - Handling motorized equipment/machines; or  - Breaking cocoa pods with knife or a sharp object/tool.  = 1 if the child is between 16 and 17 years old, has not received any training on harvesting, and reports having been involved in harvesting with a machete or sickle.  = 1 if the child is between 16 and 17 years old, has not received any training on driving motorized vehicles, and reports having been involved in handling motorized equipment/machines.  = 1 if the child is between 16 and 17 years old, has not received any training on cocoa pod breaking, and reports having been involved in breaking cocoa pods with knife or a sharp object/tool. = 0 otherwise  **Variables:** haz\_tools\_7d\_cdi, haz\_tools\_12m\_cdi |
| (7)    Night work (between 7 a.m. and 7 p.m.) or  during school/ business hours. | **7 days reference period:** *H2: In the past 7 days, did you perform agricultural work at least once during the following time periods?*  *H3: In the past 7 days, did you go to or return from the fields or the cocoa farm alone at least once during the following time periods?*  **12 months reference period:** *H6: In the last 12 months, did you perform agricultural work at least once?*  *H7: In the last 12 months, did you go to or return from the fields or cocoa farm alone at least once?*  **Possible answers:**  *B= Between 7pm and 6am*  *C= Between 6am and 7am*  **An indicator variable is constructed for each reference period:** = 1 if the child reports going to or returning from the farm alone, or working on the farm between 7 p.m. and 7 a.m., = 0 otherwise  **Variables:** haz\_night\_7d\_cdi, haz\_night\_12m\_cdi |

1. Machete/long cutlass; motorized mist blower, knapsack sprayer and/or chainsaw; harvesting hook; or breaking knife [↑](#footnote-ref-1)
2. If children worked more than 42 hours in the past 7 days or worked more than 42 hours in economic activities in a “typical week” over the past 12 months. [↑](#footnote-ref-2)
3. Going to or returning from the farm alone, or working on the farm between 6.00 p.m. and 6.00 a.m. [↑](#footnote-ref-3)
4. To be confirmed with the Ghanaian legislators [↑](#footnote-ref-4)
5. Age range to be confirmed [↑](#footnote-ref-5)
6. Age range to be confirmed [↑](#footnote-ref-6)
7. Full time work definition to be confirmed with the Ghanaian legislators [↑](#footnote-ref-7)
8. Irrespective of whether attending school [↑](#footnote-ref-8)
9. 30% of body weight for more than 2 miles/3 km. Needs to be confirmed with the Ghanaian legislation [↑](#footnote-ref-9)
10. Beyond visible or audible range of nearest adult [↑](#footnote-ref-10)
11. Long sleeves, trousers, and ‘Afro Moses’ [↑](#footnote-ref-11)
12. 12 month period cannot assess which days were school days and which were not, so only child works more than 4 hours/day or more than 14 hours/week would be used. [↑](#footnote-ref-12)
13. Needs to be confirmed with the Ivoirian legislators. [↑](#footnote-ref-13)