Questionnaire for socio-demographic information, occupational activities and known clinical condition of the study participants.

You have been asked to participate in this study which seeks to assess the thyroid hormone levels among artisanal small-scale miners as part of a research project conducted by Justice Afrifa, a staff member at the department of Medical Laboratory Science, University of Cape Coast. Your responses are entirely voluntary, and you may refuse to complete any part or all of this survey. We will protect information about you to the best of our ability. You will not be named in any reports. If you do not wish to answer any of the questions included in the survey, you may skip them and move on to the next question.

Subject Number	Name of site		Date	2
A. Personnel Profile				
A1. Sample ID [] A2. Age. [] A3. Gender:	1. Male [] 2. Female []
A4 Educational Level: 1.	None [] 2.Primary[] 3. Secondary	[] 4.Tertia	ry[]
A5 Marital Status: 1. Sin	gle [] 2.Married [] 3	. Divorced [] 4	.Widowed[]	
A6 Ethnicity		A7 Nationality.		
	B. Occupational Exp	posure and Safe	ty	
B1 How long have you b	een working as an inform	mal miner? []	
B2 How many days do y	ou work a week?	[]	
B3 How many hours do	you spent per day at this	mine []	
B4 Do you move betwee	n mines in a day?	Yes[] 2. N	o []	
B5 If yes, how many tim	es 1. 2 times [] 2.3 tir	nes[] 3.4 times	[] 4. more t	han 4 times[]
B6 what do you usually o	lo at this site?			
(Tick all that apply)				
1. Amalgamating v	vith Mercury		[]
2. Burning of Ama	lgam		İ	1

3.	Smelting of Gold			[]	
4.	Transporting of Mercury			[]	
5.	Transporting of ore			[]	
6	Standing in pool of water/stream	am whiles w	vorking	[]	
7.	Sucking excess mercury from	amalgam fo	or reuse	[]	
	Thich of the following persons sing? Circle all that applies	al protectiv	e equipment'	s do you use dur	ring the ore
1		Always	Seldom	Don't use	
1.	Rubber aprons	1	2	3	
2.	Mercury containers	1	2	3	
3.	Face masks	1	2	3	
4.	Rubber gloves	1	2	3	
5.	Leather boots	1	2	3	
6.	Head coverings	1	2	3	
В8 На	ve you worked at the goldsmith	s shop befo	re? 1.Yes []	2. No []	
B9 If	yes, for how many years []				
B10 w	where do you store the mercury?	1.Home []	2. Mine site	[] 3. Do not keep	mercury []
B11 D	o you know the hazards in using	g mercury?	1.Yes []	2. No []	
B12 V	Vere you working at other mines	before com	ing to Bibiani	? 1.Yes [] 2.No	»[]
B13 H	lave you ever received any traini	ng on occup	oational safety	and health? 1.Yes[] 2. No[]
B14 I1	yes, who provided it. (Circle all	that apply)			
1.	Environmental Protection Age	ncy	[]		
2.	District Assembly		[]		
3.	Small Scale Mining Association	n	[]		
4.	Formal Mining Companies	[]		

5. Others (Specify)			
B15 What is your main source of drinking water	er at this mine?		
1. Borehole []			
2. Pipe borne water []			
3. River/Stream []			
4. Sachet water []			
B16 Do consumes fish from the Amponsem lak	te or the river at Bibiar	ni? (1) No (2) Yes	
B17 Do you have any dental fillings?		1 No [] 2. Yes[]
C. Signs and Symptom	ns of Mercury Exposu	re	
C1 Do you have any of these health problems (Circle all that applies)		
	3 7	NI	
1. Skin rashes	Yes 1	No 2	
	1	2	
2. Frequent cough			
3. Persistent fever4. Persistent headache			
5. Metallic taste	1	2	
6. Fatigue	1 1	2	
7. Muscle aches	1	2	
8. Numbness	1	2	
9. Hair loss	1	2	
10. Insomnia	1	2	
11. Tremor	1	2	
Others (specify)			
C2 Have you been previously diagnosed of any	of these diseases (Circ	cle all that applies)	
or will	Yes No		
1. Hyperthyroidism	1 2	3	

2.	Hypothyroidism	1	2	3
3.	Hashimoto's disease	1	2	3
4.	Graves' disease	1	2	3
5.	Goiter	1	2	3
6.	Thyroid nodules	1	2	3
7.	Other (specify)			

Thank you for participation in this study