

ORPAL3 cross-sectional survey

Case Report Form

1 SOCIO-DEMOGRAPHIC DATA

Gender : 1 ☐ . female ☐ 2. masculine ☐ 3. other other: ...

If female, pregnant ?

☐ 0. no

☐ 1. Yes gestation age:

Age (years) :

In which country were you born?

If in Brazil, cite the State :

What is your education level?

☐ 0. none

☐ 1. primary school

☐ 2. Secondary education

☐ 3. higher education

☐ 4. don't know

How many days/months/years have you been working in the mine?

On which site do you currently work? (Specify as much as possible, give 2 names if different)

How long have you been at this (the last) gold mining site?

How far is it to the mine?

..... hours

..... days

What are the means of transport to this site? (Several possible answers)

☐ 1. on foot

☐ 2. on a quad

☐ 3. by canoe

☐ 4. by plane

☐ 5. other:

☐ 6. Doesn't know

What is your occupation on that gold mine at present?

When was the last time you have left the mine?

How much Brazilian minimum wage did you earn last month?

- ☐ 0. doesn't earn money
- ☐ 1. less than one SMIC
- ☐ 2. 1 SMIC
- ☐ 3. 2 SMIC
- ☐ 4. 3 SMIC
- ☐ 5..... SMIC
- ☐ 6.cannot answer because the sum is too variable over time
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

What are the 3 main health problems you encounter in the gold mine (number in order of spontaneous answers by patients)

2 ON-SITE LIVING CONDITIONS

2.1 ACCESS TO WATER AND SANITATION

What are the two main sources of water for food use that you used during your last stay in the gold mine? (Consider only drinking water, for cooking)

- ☐ 1. Pit
- ☐ 2. Surface water (creek, river, stagnant water)
- ☐ 3. Rainwater harvesting
- ☐ 4. Mineral water bottle
- ☐ 5. Other :.....
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

Did you (or anyone else) do anything to your water to make it drinkable before you drank it, during your last stay in the gold mine?

- ☐ 0. No, the water was not treated before drinking it
- ☐ 1. Yes, water was sometimes treated before drinking
- ☐ 2. Yes, water was always treated before drinking
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

If yes, what did you do to make it drinkable before drinking it on your last stay in the gold mine (By water treatment episode)?

- ☐ 1. let the water settle
- ☐ 2. Boil it
- ☐ 3. Exposing it to the sun's rays
- ☐ 4. Use products to stabilize water (chlorine tablets, chlorine powder/granules)
- ☐ 5. Use chlorine bleach
- ☐ 6. Filter
- ☐ 7. Other.....

- ☐ 98. Does not want to answer
☐ 99. Does not know

Where did people usually relieve themselves during your last stay in the gold mine?

- ☐ 1. Latrine Latrina
☐ 2. Defecation in the open air (on the surface)
☐ 3. Recoverable hole/pit
☐ 4. bucket
☐ 5. Creeck/river
☐ 6. Other Outro:
☐ 98. Does not want to answer
☐ 99. Does not know

2.2 ELECTRONIC WASTE MANAGEMENT

Did you bring back or leave your electronic waste and used batteries during your last stay at gold mine?

- ☐ 0. Leave in the forest
☐ 1. take them out of the forest
☐ 2. Other :.....
☐ 98. Does not want to answer
☐ 99. Does not know

2.3 CONTACTS WITH FAUNA

Do you hunt when you're on the gold mine?

- ☐ 0. never
☐ 1. rarely (a few times a year)
☐ 2. Yes, sometimes (a few times a month)
☐ 3. Yes, often (several times a week) Sim
☐ 98. Does not want to answer
☐ 99. Does not know

Do you clean/peel the animals when you're on the gold mine?

- ☐ 0. no
☐ 1. yes
☐ 98. Does not want to answer
☐ 99. Does not know

Do you prepare/cook hunted animals when you're on the gold mine?

- ☐ 0. no
☐ 1. yes
☐ 98. Does not want to answer
☐ 99. Does not know

If yes (participant hunts, feeds or cooks), which three animal species are most involved?

..... (species)

..... (species)

..... (species)

☐ 98. Does not want to answer

☐ 99. Does not know

Do you remove lead shot before cooking game?

☐ 0. no

☐ 1. yes

☐ 98. Does not want to answer

☐ 99. Does not know

Do you fish when you're on the gold mine?

☐ 0. never

☐ 1. rarely (a few times a year)

☐ 2. Yes, sometimes (a few times a month)

☐ 3. Yes, often (several times a week)

☐ 98. Does not want to answer

☐ 99. Does not know

What domestic and livestock animals are present on the last gold mine where you worked?

If dog(s), where do they come from?

☐ 1 French Guiana

☐ 2. Suriname

☐ 3. Brazil

☐ 98. Does not want to answer

☐ 99. Does not know

2.4 ALIMENTATION

During your activities in the gold mine, did you eat fish caught on site that belongs to the risk category (see photo)?

☐ 0. No, never

☐ 1. yes

☐ 98. Does not want to answer

☐ 99. Does not know

If yes, have you ever used a fishing net weighted with lead?

In the last month, how often have you eaten bushmeat?

If at least once, which bushmeat?

If at least once, have you found a/any lead in the meat?

Over the past month, how often have you eaten couac?

If you consumed it, what was the origin of the couac?

2.5 CONTACTS WITH WILDLIFE

In the past year, when you were in a gold mine, have you ever been bitten/stung by?

- ☐ 0. No animal
- ☐ 1. A bat
- ☐ 2. A snake
- ☐ 3. A scorpion
- ☐ 4. A ray
- ☐ 5. A dog
- ☐ 6. A spider
- ☐ 7. A caterpillar
- ☐ 8. A scolopendre
- ☐ 9. Other Outro:
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

During your last stay on the gold mine, did you observe the presence of bats?

- ☐ 0. no
- ☐ 1. yes
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

Which insects stung you on the last gold mine where you worked?

3 CONTACT WITH MERCURY

During the last month, in your activity on the gold mine or in the support bases, have you been in contact with mercury?

- ☐ 0. no
- ☐ 1 Yes, I'm watching the amalgam being heated
- ☐ 2. Yes, I heat the amalgam myself
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

If yes, when you performed or closely attended these operations, how did you protect yourself ?

- ☐ 0. nothing
- ☐ 1. Use of a mask
- ☐ 2. A fabric to protect the mouth and respiratory tract

- ☐ 3. Safety glasses
- ☐ 4. I wash my hands when I have finished my work
- ☐ 5. I covered the oven with sheets of canon wood
- ☐ 6. Other Outro :.....
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

If yes, did you see the cadim (retorte) during your last stay on the garimpo?

- 0. no
- 1. yes, I've already used *it*
- 2. Yes, I've already seen it
- 98. Does not want to answer
- 99. Does not know

In your opinion, what impact does the use of mercury have on your own health?

- 0. none
- 1. moderate
- 2. important
- 98. Does not want to answer
- 99. Does not know

In your opinion, what is the impact of mercury use on the environment and the rest of the population?

- 0. none
- 1. moderate
- 2. important
- 98. Does not want to answer
- 99. Does not know

4 KNOWLEDGE, ATTITUDES AND PRACTICES REGARDING MALARIA

Do you think your risk of catching malaria when you are in the garimpo is:
Null/low/medium/high

In terms of severity, do you think malaria is a disease: severe/nonsevere

What do you think transmits malaria?

What are the symptoms of malaria?

Do you protect yourself against mosquitoes?

Did you sleep under a mosquito net during your last night on site?

Have you ever had malaria?

When did you last experience malaria?

Where were you the last time you had malaria symptoms?

What did you do the last time had symptoms of malaria?

How many days passed between the onset of symptoms and the start of treatment?

5 HEALTH STATUS

You would say that your health is:

- ☐ 1. Good
- ☐ 2. Medium
- ☐ 3. Poor
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

Are you taking any regular treatment(s)?

- ☐ 0. no
- ☐ 1. yes
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

If yes, why?

Did you take it last week?

- ☐ 0. no
- ☐ 1. yes
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

If not, why not:

In the last 12 months, have you had any of the following types of accident on the gold mine resulting in injury?

- ☐ 1. Traffic accident
- ☐ 2. Domestic accident
- ☐ 3. Work accident on the gold mine
- ☐ 4. Other work accident
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

If yes, did you need medical care as a result of this [these] accident[s]?

- ☐ 1. yes, I was admitted to a hospital or other healthcare facility and spent the night there
- ☐ 2. Yes, I was admitted to a hospital or other health care facility but did not stay overnight
- ☐ 3. Yes, from a doctor or nurse
- ☐ 4. Não
- ☐ 98. Does not want to answer
- ☐ 99. Does not know

In the last 5 days, have you had any symptoms?

Temperature:

Blood pressure:

Non-fasting glycemia:

Weight:

Physical examination: