Hi Ana, How are you? We are starting the application for the TB mining database and choosing a good architecture which will be user friendly, easily installable, scalable and maintainable. Therefore, the application will have three components:-

1. Desktop applications which will be installed on the mining centers or on data collection center and record each data that are collected by EHT worker and sync the data to central server that is deployed on the minister of health.
2. Web application with Web Service: This will be deployed on minister of health server and accepts data from different mining center or data collection centers and generate different kind of reports using graphs and tables based on given parameters.
3. Mobile application which will be installed on android OS PDA that collects data from different mining centers and push the data to the central server on the ministry of health. (Depend on the business owner need)

Questions

1. Do the data collection centers have internet access?
2. If there is no internet access how do you planning to send the data to server. The option that we have is

* GPRS modem that can be connected to the computer and send the data using the 3G technology.
* Develop an import and export functionality but, we have to identify the responsible users that can send the exported data to the central server and there has to be a receiver also that can import the data to the database on a given time. You can suggest other option also.

1. How do you want to capture the Marital Status, Do you want it to be updatable or Do we need to track the status with date(when does he/she married, windowed, divorced since last survey).
2. Most of the questions on the current exposure profile are directed to the employer (mining company), do we have to capture this for each miner, my suggestion is to capture this section one and select it for each miner within that mining.
3. We have to identify the mandatory fields for the sake of data quality, because this will affect the reports.

Now we are identifying objects and designing the database from the excel document .we will contact you if we have questions.