

From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Eddy Rubin <erubin@metabiota.com>
Sent: 4/18/2017 2:03:14 AM
Subject: Re: primer for Tuesday's call

Thanks for this good starting point.
Fine with me for Karen to join.
Have a good night,
Jonna

On Mon, Apr 17, 2017 at 4:31 PM, Eddy Rubin <erubin@metabiota.com> wrote:

Dear Jonna,

Look forward to chatting tomorrow. Just so you know how we are thinking and the directions we plan to go, I have included some material. Below is what we view would be the optimal Metabiota/ PREDICT Country by Country game plan going forward. This is similar to what I briefly mentioned to you when we were in DC for CUGH.

We are also working on a Sample and Data Quality Risk and Corrective Action plan which I will get to you before this Friday. I think with focus and putting in place the structures and QA and QC activities described in this document we can correct the sample/data quality/ safety... issues. We have also developed a Sierra Leone Data Report which will be completed in the next day or so. This report offers an overview of the SL data situation and includes: What happened with our data? How is our data being corrected? How will future data problems be avoided?

With regard to Tuesday's 9:00 AM call. I believe that it might be useful to have Karen participate on the call as she has a deep perspective on Metabiota's on the ground activities in all our countries though I defer to your decision on who should be on the call.

Best,

Eddy

Overview of Country-by-Country Game Plan

We are developing a **Sample and Data Quality Risks and Corrective Action** process, which includes new quality control checks and training plans in the following domains: 1) Animal field sampling (biosecurity, data capture, QC) refresher training; 2) Data Quality Control procedure of data from field to EIDITH; 3) lab sample quality, monitoring and analysis plan. This will be submitted to Davis upon completion (estimated timeline Wed, April 19th)

Metabiota is recommending focus on key country operations with unique field presence and discontinuation of management of China, Indonesia and ROC.

Metabiota proposes the following realignments:

Countries to be discontinued or for narrowed focus:

China : According to our analysis of the associated EIDITH data on those individuals enrolled from Dongguan and Shonto hospitals, approximately 40% of the enrolled population has lifetime animal exposure, specifically: 20% handle live animals, 31% raise live animals 13% share a water source with animals, 21% have animals in the dwelling, 20% cook or handle live animals, 13% slaughter animals, and 23% hunter or trapped.

Based on this analysis, it does not seem that this level of exposure warrants continuing work in China. If Davis concurs, Metabiota will cease operations at our two hospitals in China.

Indonesia : Metabiota will cease operations and plans for hospital surveillance will be transferred to EHA.

Republic of Congo (RoC): MB will continue behavioral data collection in Brazzaville markets with the objective of collecting qualitative and questionnaire data in 5 bushmeat markets and restaurants. Karen has submitted an update on DRC/ROC Bushmeat market work and proposed work plan for ROC (April 14, 2017). We have ceased animal sampling and any syndromic surveillance in RoC. *Discussion points with Davis: 1) Davis to assume management of RoC*

Focus Countries:

Cameroon : We will keep leadership and maintain program in Cameroon, and conduct lab and data quality retraining within the next 3 months. After centralized training, we will deploy field specialists from Cameroon to other sites : Jean Michel (bat sampling specialist), Matthew LeBreton (wildlife ecologist) and Dr. Moctar Mouiche (wildlife vet) for field trainings in other countries.

Cote d'Ivoire: Continue operations working with Institute Pasteur de Cote d'Ivoire (IPCI) and LANADA partners but do not build out separate PREDICT lab space within IPCI.

Democratic Republic of Congo (DRC): We have ceased compensation to Prof Muyembe since December 2016 and are adjusting the subcontract with INRB accordingly. We will cut the second site of Buta after our April data collection trip and will provide retraining within the next quarter. (Re-training calendar to follow by Wed, April 19th)

Guinea : Per the retraining schedule, send Dr. Moctar and Jean Michel for intensive field sampling, data QC, and biosafety training refresher, with JM to stay for 2 weeks for intensive bat sampling. Put MOU in place with Ministry partners. Frantz will be fully retrained in all of SOPS training refreshers and will travel to Guinea every other month for field supervision.

Laos : We will continue operations and maintain program in Laos, and conduct lab and data quality retraining within the next 3 months. In late April, we will send the Laos team to Indonesia for lab training.

Sierra Leone : Team will immediately go through upgraded retraining, post quality control assessment and with a new supervision plan in place. We have assigned Jason (Data Quality and Implementation Manager) to assist Aiah, James and Frantz in data cleanup. We have suspended field sampling work in SL until this training and recertification is complete. 1) Per the **Sample and Data Quality Risks and Corrective Action plan**, we will complete data cleanup. 2) Davis to approve new data QC plan and field/lab biosafety plans, and 3) staff biosafety training refresher will be completed before restarting field sampling. Frantz Jean Louis will be fully trained in all of these SOPS/training

refreshers and to travel to SL every other month for field supervision.

Animal sample shipment: Metabiota will ship confirmatory samples to CDC in April and remaining wildlife samples to Davis once data verification is finalized.