INVESTIGATING PROBABLE EBOLA CASES OF SIERRA LEONE - VISOV - CEDRIC MORO - 11 april 2014

On 24th February (approximately). Mr. Sahr Zonas died with signs of haemorrhaging. Mr. Zonas was a health worker living and working in Guékédou town (Guékédou prefecture. Guinea).

•On 3rd March (approximately), three individuals living in the same compound as Mr. Zonas also died. All were reported to have fever and bleeding. These individuals were Mr. Sahr Fasa, a health in Macenta; worker Mrs. Zonas, the wife of Mr. Zonas (deceased): and Mr. Faviah Laffalay. the great-uncle of Mr. Zonas

·The corpse of Faviah Laffalay is transported from Guékédou and buried in Boidu village (Sowa chiefdom, Kono district, Sierra Leone).

Sahr Laffalay (14-20 years) accompanies the corpse (of Faviah Laffalay) to Boidu and begins to feel ill with fever and malaise. Sahr Laffalay lived in the same compound as Mr. Zonas and his grandfather. Sahr progresses.

·Around 8th March. Sahr Laffalay is taken to Fangamandu (Guékédou prefecture, Guinea), passing one night in Dubema en route to Fangamandu. He is treated as an outpatient. In Fangamandu, he stays at the home of Lamine Touray. As his illness progresses, he begins to bleed from nose and mouth.

> On 10th March, Sahr Laffalay died.

His body was wrapped and transported to Boidu where it was prepared for burial. Sahr Laffalay is buried the same day he died.

On 19th March, the KGH Lassa fever team was notified of a report of a 14-year-old boy who attended a funeral in neighbouring Guinea travelled to Buedu, Sierra Leone and died from a haemorrhagic illness. A team was deployed to Buedu. Kailahun District to investigate (see previous report dated 23rd March) and were unable to corroborate any such activity in the vicinity of Buedu Town.

Laffalay spends 4-5 days in However, the cause of death of the 14-year old, who had cared for his Boidu where his illness diseased grand-dad, and had visited him in the area associated with an Ebola outbreak in Guinea remained, unexplained, KGH sources say their investigation was hampered by the lack of a blood sample from the deceased that is required to test for VHFs. Frantic efforts were therefore made to test the 15 surviving relatives, which proved negative for Lassa fever, Ironically, the negative test triggered fears of an Ebola spread into Sierra Leone because of the clinical similarities of Ebola and Lassa fever. According to a member of the VHFC that conducted the tests and an expert on clinical care for viral haemorrhagic fevers at the KGH, Dr. Sheik Humarr Khan, "the mere fact that they are negative for Lassa further raised the suspicion of them to be likely positive of Ebola or any other viral haemorrhagic fever (VHF) because the clinical manifestations of these patients are those of a VHF'.

discussion with central MOHS from officers to investigate combat the Ebola virus that 1, 2014. suspicious deaths near the broke out in areas in the ... Whilst the negative results will 7april - WHO to Guinea. Mr. Moiba existence. come the next day.

such as Ebola and Lassa to transported to KGH Lassa the clinical care of patient be the likely cause of death of Fever Laboratory on 26th chronic illness rather than going." Lassa or Ebola.

investigation, documented investigative team left Koidu the surrounding regions.

On 31: Director of Disease Leone. Sanitation, Dr. Umaru Jambai cases and all contacts of the dismissed rumours about Ebola cases in Kambia, Kono and other parts of the country as untrue. He confirmed that all suspected cases have been tested negative so far by a professional medical

team.

On 23rd March, there was A two man medical team 1st april: KGH's concerns were 4th-5th of april - WHO

country border in Sowa republic of Guinea that are calm fears of a pandemic, there 2 probable cases of EVD were evening and confirmed that a departing this week to test Sierra Leone is the only research recent death had occurred in and prove any available centre with the diagnostic, care 10april - WHO

Control and Prevention in the surveillance activities have in Freetown. Ministry of Health and identified no new suspected

"METABIOTA" heeded to by the international At the request of the MOHSW and that the suspicious death may contracted by the United scientific community including the WHO, the Metabiota Laboratory in have occurred in Kono States Department of WHO, which led to the Kenema, Sierra Leone, will install District. Two villages in the Defense has on Monday deployment of Metabiota and the Real-Time Zaire ebolayirussoutheast corner of Kono March 24th, 2014, briefed VHFC consisting of Harvard specific PCR, a pan-filo PCR, Lassa District were identified with Ambassador Bockari Kortu University, the Broad Institute, virus PCR, yellow fever and Marburg names similar to Buedu. The Stevens at the Embassy of Tulane University and the KGH, virus PCRs among other assays. Kono District Medical Sierra Leone. as they Sierra Leone to conduct the tests This technology is being transferred Officer, Dr. Francis Jayah was proceed as first responders for Ebola. The team arrived over from its laboratory in Kenema, Sierra notified. On 24th March, Dr. in Sierra Leone to investigate the weekend and published its Leone. Metabiota will also provide Jayah sent surveillance assess, evaluate, and help findings yesterday, Tuesday, April training to laboratory staff in Liberia.

chiefdom. District Surveillance near Sierra Leone. "There are concerns over the lack of a reported from Sierra Leone in one Officer Sahr Amara Moiba are four suspected cases in diagnostic testing facility for Ebola family who died in Guinea and their visited the village of Boldu that Sierra Leone, and we are virus in West Africa. The KGH in bodies repatriated to Sierra Leone.

an individual with travel history information to ascertain its and surveillance capabilities for Although the epidemiological Lassa, although it also helps to situation in Sierra Leone remains conducted a preliminary On 25th March, the care for other VHF patients from unchanged, the Ministry of Health and Sanitation (MOHS) continues to close contacts and sensitized for Boidu village. The team According to a statement by the lead intensive EVD preparedness the community to Ebola and met with Chief Tamba Faylah VHFC (www.vhfc.org), the activities. Seven teams, each notified them that an Tauta and the community and discovery of Ebola in West Africa comprising of a director from the investigation team would explained the purpose of our dramatically changes public MOHS, a program officer of the visit. The team asked a series health approaches to viral Disease Prevention and Control At a press conference held in of questions to individuals in haemorrhagic fevers, and directorate and a program officer Freetown on 24 March 2014, the community to determine complicates routine diagnosis for from the national Health Education the Chief Medical Officer the timeline of events to Lassa fever. It adds that an up- program have been dispatched to (CMO) of Sierra Leone, Dr. death and to identify close to-date diagnostic testing for each of districts bordering Liberia and Brima Kargbo said the Lassa contacts that may be at risk. Ebola virus at KGH is urgently Guinea (Kambia, Kenema. fever team have ruled out viral Blood samples were collected needed to assist in the Koinadugu, Kailahun, Bombali, naemorrhagic fever (VHF) from close contacts and surveillance of the disease and Pujehun and Kono districts) to assess district preparedness with local authorities. two male septuagenarians in March for Ebola virus testing. 1st april - WHO : The Ministry of community-wide approaches to EVD the Buedu area of Kallahun On 27: WHO "Sierra Leone Health of Sierra Leone is preparedness and response and to district, another area of Sierra has reported 6 suspected maintaining a high level of preposition supplies. Planned Leone along the Guinea cases, including 5 deaths. vigilance following the deaths of 2 activities include training of senior border. He added that the Investigations into these probable cases of EVD in one medical and nursing staff at the deaths were likely caused by suspected cases are on-family who died in Guinea and Kenema Government Hospital's their bodies repatriated to Sierra Lassa Fever Unit and the training of To date, active port health and surveillance officers