

# Crisis Crusaders

---

## Plan of Action

November 19, 2020

# Meet the Crisis Crusaders Team

- Non-profit consulting organization based in New York, NY
- Specializes in crisis management in response
- 20 total team members
- \$10M annual operating budget



MAHEEN  
Data Analyst &  
Software Developer



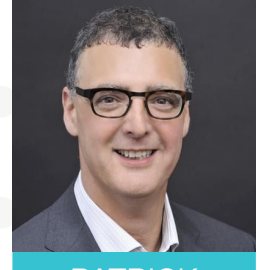
TABASSUM  
Information  
Assurance  
Analyst



STEPH  
Project  
Manager



ERIN  
Communications  
Specialist



PATRICK  
Head  
Consultant

# The Crisis and The Ask

## The SMT

### Charity Health Network (CHN)

Healthcare organization based in Sierra Leone

## The Challenge

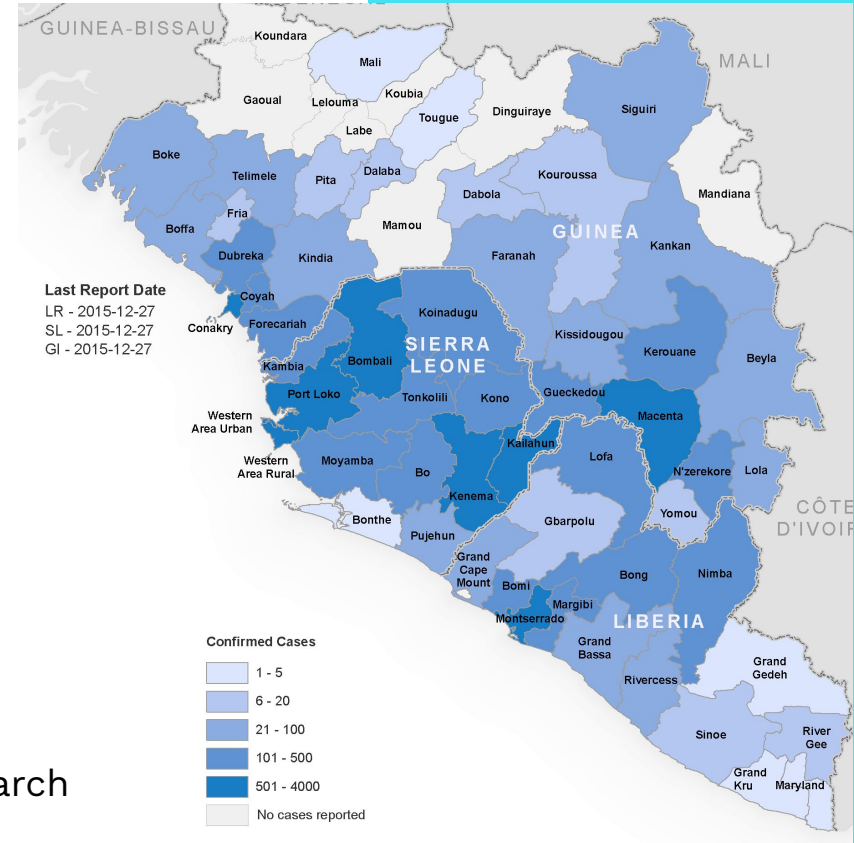
### Ebola outbreak (scaling-up phase)

CHN's current data storage and sharing methods lack security and efficiency

## The Ask

### Our Solution

We are here to present our research and our recommendation and to seek your approval to move forward.



# Key Assumptions

1

Strong partnerships  
with Charity Health  
Network, other NGOs  
and health partners in  
Sierra Leone

2

CHN requires  
increased speed and  
security for data  
storage and sharing;  
we do not have time  
to start from scratch

3

National Electronics  
Bill of 2020 is the key  
driver of our data  
security features

# Research and Recommendation

## Cloud hosting

### Amazon AWS

- + Most experienced vendor
- + Cheaper with storage only
- + Data stored in Cape Town, Africa
- Expensive additional services

### Microsoft Azure

- Expensive with storage only
- Less experienced than AWS

### In-house

- Very costly
- Time consuming

## Software Development

### In-house + 3rd party

- + Easy communication between groups
- + Not as costly as in-house
- + Ability to customize
- Could take longer than 3rd party

### In-house

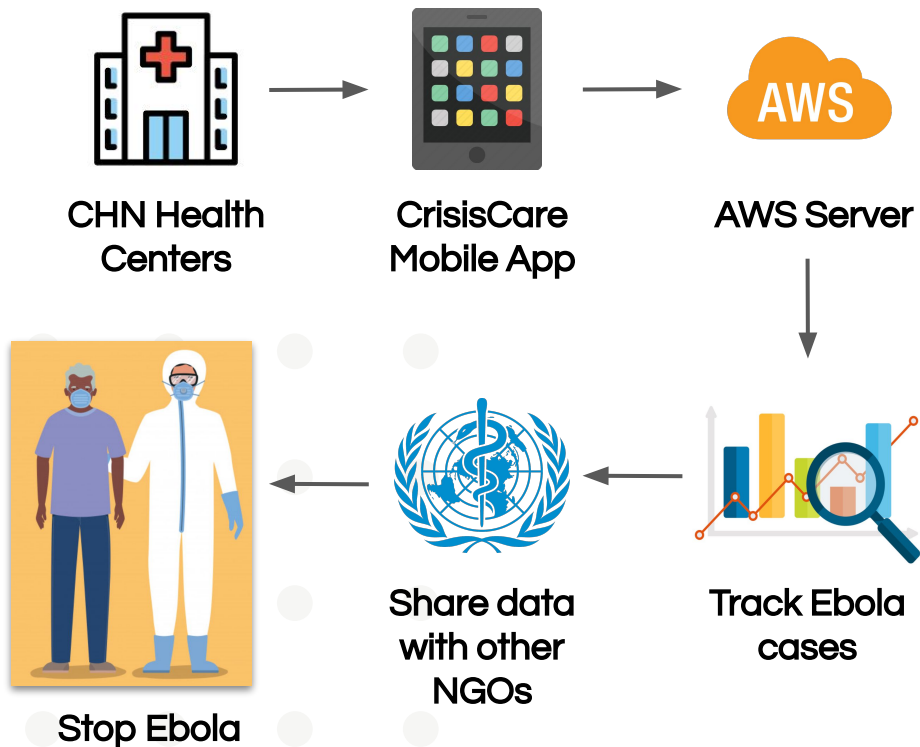
- More expensive to hire full-time employees
- Much longer timeline

### 3rd-party

- Costlier
- Potential security risks
- Inability to customize

**Our recommendation is to use a cloud hosting service and a combination of 3rd-party acquisition and in-house customization to develop an app that can process the data.**

# Solution: CrisisCare



## Build an app, CrisisCare, to help store Ebola data

Transfer data from spreadsheets to the cloud

## Easily share sensitive data with partner NGOs

Connected to the cloud for quick and secure data transfer

## Track Ebola cases and stop new outbreaks

Simplifies, standardizes, and secures Ebola data tracking

# CHN will need to pay \$430K for the entire project

One-Time	\$
IT Research and Selection Process	\$19,500
Software Expenses	\$30,000
Employee Expenses (Labor)	\$494,620
Recurring	\$
Hardware/Software	\$20,800
Ongoing Additional Labor	\$24,970
<b>Total</b>	<b>\$589,890</b>

Cost Breakdown	\$
Year 1 - Implementation	\$589,890
Year 2 - License Fees	\$45,770
Year 3 - License Fees	\$45,770
<b>Total</b>	<b>\$681,430</b>
<b>USAID</b>	<b>\$250,000</b>
<b>CHN</b>	<b>\$431,430</b>

# Risk mitigation

## Downtime



Having a communication plan is key

## Data sabotage



Prioritize security, both online and physical

## Financial risk



Maintain the project scope

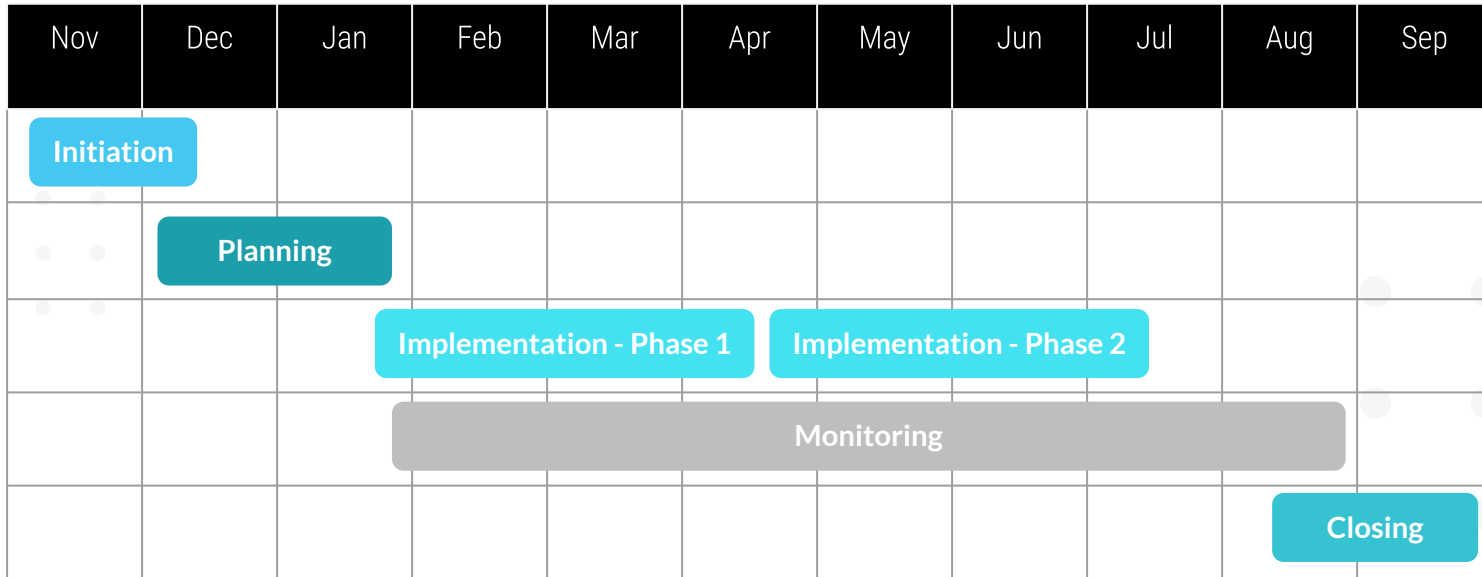
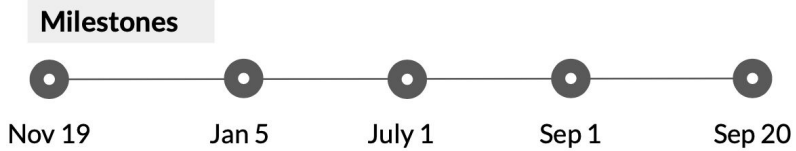
## Storage growth



Monitor/track system usage through metrics



# Timeline



The Ask

## CrisisCare Project Approval

### FUNDING

#### IMPLEMENTATION + LICENSING

One-time implementation cost for year 1  
Licensing fee for subsequent years

### MANPOWER

#### IN-COUNTRY EMPLOYEES

Labor costs for in-country employees,  
trainings, and ongoing maintenance

### COMMITMENT

#### FLEXIBILITY FOR FUTURE USE CASES

Maintain system functionality and versatility so  
we can adapt to other types of public health  
crises

2  
local hires

11  
months

\$430K  
total costs



# Thank you

Questions?