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# m-HealthSurvey Certification Exercise

## *Real-Time Biosurveillance Program*

This form is intended for the Real-Time Biosurveillance Program (RTBP) to assess and certify the health workers operating the m-HealthSurvey mobile phone software used for digitizing and submitting patient case data. The information gathered through this exercise is for the purpose of the RTBP project and is not to be distributed without the consent of the RTBP's Principal Investigators.

Each participating Healthcare Worker should complete this exercise to the best of their ability. If any of the instructions are unclear, please inquire from the RTBP staff member conducting this exercise. The RTBP staff member will explain the process to you before starting Parts I, II, and III of the exercise.

<b>Health Worker Personal Information:</b>		Today's Date:	
Full Name :		Employee ID:	
Division Name: (PHC/MOH)		Center Name: (HSC/Suwadana)	

### Exercise instructions

- You may refer the user manual during this exercise at anytime
- You may not consult any of the RTBP staff or any of the colleagues for answers
- Begin and end the exercise when you are instructed by the RTBP staff member

### Part I – Install and configure m-HealthSurvey (Exercise time: 12 minutes)

Start Time: (e.g. 13:15)		End Time: (e.g. 13:27)		Points:	
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Purpose of this part of the exercise is to judge your ability to install and configure the m-HealthSurvey application on your own. If the m-HealthSurvey was to stop working and required re-installation and configuration while in the field, you should be able to complete this task by yourself.

- 1) If the application is already installed on your mobile handset then delete the application.
- 2) Use the mobile phone's WAP application to enter the url: [INSERT URL HERE, remove this comment] to download and install the application
- 3) Configure the application by applying the steps: download list, register profile, and retrieve locations

### Part II – Data entry and submission (Exercise time: 20 minutes)

Start Time: (e.g. 1:15pm)		End Time: (e.g. 1:27pm)		Points:	
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Enter and submit the patient records A – F, through m-HealthSurvey, to the best of your ability. In this exercise you are not required to submit patient names, notes, or status. You are required to submit the mandatory fields: case date/time, location (village name), symptoms, gender, and age-group. In some cases you are required to submit the disease and signs as well as determine using “unknown” or “other” options for the disease.

Record	Date	Time	Gender	Age	Symptoms	Signs	Disease
A	15/08/09	14:30	M	46	headache, nausea,	fever	
B	15/08/09	14:34	M	13	sneezing, nasal itching	runny nose, red eye	Hay Fever
C	15/08/09	14:39	F	5	scratchy feeling	Swollen eye lid	Conjunctivitis
D	15/08/09	14:45	M	8	fever, nausea	kidney failure	Leptospirosis
E	15/08/09	14:48	F	33	Fever, headache, sore throat	running nose	
F	15/08/09	14:52	F	61	burning, inflammation on skin, irritation on skin, itching	reddness	Insect sting

### Part III – Standard Operating Procedures

(Exercise time: 08 minutes)

Check (☑) any of the answers that best fits each of the scenarios 1) – 3) “other suggestions” that you mention will be bonus points, if valid.

Points:	
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1) If the disease name is not in the m-HealthSurvey what should you do?

- Report problem to RTBP staff   
 Use “other” and type the disease name   
 Try download-list first to check if disease was updated  
 Write on paper but do not submit record though mobile   
 type disease name in symptom or signs field   
 Do nothing

*Other suggestions:*

2) If you have problems or encounter any faults with the m-HealthSurvey, what should you do?

- Inform the DDHS office   
 Contact an RTBP staff member  
 Note records on paper until problem is fixed, then submit via m-Healthsurvey  
 Call the mobile service provider   
 Do nothing

*Other suggestions:*

3) What should you do to maintain the m-HealthSurvey and mobile phone

- Delete and reinstall software once a month   
 download-list once a week or when required  
 Charge phone battery every day   
 Do nothing

*Other suggestions:*

## Marking Scheme

**DO NOT translate or include this section in the actual exercise. This section is purely for RTBP staff for scoring the health worker completed certification exercises.**

### Part I – Install and configure m-HealthSurvey (Total 20 points)

- |                             |        |
|-----------------------------|--------|
| 1) Delete m-HealthSurvey    | 04 pts |
| 2) Install m-HealthSurvey   | 04 pts |
| 3) Configure m-HealthSurvey |        |
| download list               | 04 pts |
| register profile            | 04 pts |
| retrieve location           | 04 pts |

**Bonus points – for each minute (round up) under 12 minutes is worth 1 point.** Example, if completed in 8 minutes ,then  $12 - 8 = 4$  minutes is worth 4 bonus points

### Part II – Data entry and submission (Total 50 points)

**Deduct 1 point** from each record **if incorrect date, gender, or age;** i.e. deduct maximum 1 point..

Records	Available points	Point deduction scheme
A) & E)	10 pts	Select disease = “unknown” or compatible disease matching exact symptoms & signs - Deduct 2 point, if improper disease name is given not matching symptoms and signs - Deduct 2 point if any of the listed symptoms are missing; i.e. should type all symptoms - Deduct 2 point if any of the listed signs are missing; i.e. should type all signs
B) & D)	10 pts	Set disease = “other” and type the given disease name - Deduct 2 point, if improper disease name is given - Deduct 2 point if any of the symptoms are missing; i.e. should type all symptoms - Deduct 2 point if any of the signs are missing; i.e. should type all signs
C) & F)	05 pts	Search and select disease name from list, then edit the symptom and signs lists - Deduct 1 points if symptoms are not edited - Deduct 1 points if signs are not edited

**Bonus points – for each minute (round up) under 20 minutes is worth 1 point.** Example, if completed in 16 minutes ,then  $20 - 16 = 4$  minutes is worth 4 bonus points

### Part III – Standard operating procedures (Total 30 points)

**Add 05 points for each correct** answer listed below and **deducted 02 points for each incorrect answer**

- 1) Correct answers:
  - use “other” and type the disease name
  - try download list first to check if disease was updated
  
- 2) Correct answers:
  - Contact RTBP staff member
  - Note records on paper until problem is fixed, then submit via m-Healthsurvey
  
- 3) Correct answers:
  - download list once a week or when required
  - Charge phone battery every day

**Bonus points – give an additional 02 points for “other suggestions” that are correct and applicable to question 1) - 3).**

### Certification criteria

- A health worker scoring above 70 points is a certified m-HealthSurvey user.
- A health worker scoring above 95 points is a potential m-HealthSurvey trainer.