Use Case Specification: UCXX: SHR receives PRE message from Rapid SMS

Version 1.0

Revisions History

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| --- | --- | --- | --- |
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Use Case Specification: UC02 Community Health Worker (CHW) triages emergent conditions

# Use case name

## Description

This use case applies when the CHW finds a pregnant woman that has a risk condition according to the MOH protocols. She sends an SMS to Rapid SMS informing that. Rapid SMS sends message to the district hospital health care worker and to the health clinic health care worker and to the shared health record.

[ Note: This is new and was discussed at the end of Friday with Ed, Richard, Emmanuel and Daniel and Mead ( partially because he left for the airport). I probably did not get everything and this should be up for discussion at the technical meeting of the requirements group.]

# Actors

CHW

Pregnant woman

Rapid SMS

POC system - OpenMRS

District Hospital health care worker

Health Center health care worker

Shared Health Record

# Workflow

## Normal Workflow

* Step 1 - CHW finds pregnant woman presenting at least one of the conditions below as defined by the MOH:
	+ SC - serious condition, but unknown
	+ CI - cord infection
	+ DI - diarrhea
	+ MA - malaria
	+ FE - fever
	+ HY - hypothermia
	+ RB - rapid breathing
	+ PN - pneumonia
	+ HE - hemorrhaging / bleeding
	+ VO - vomiting
	+ CO - convulsion
	+ SA - severe anemia
	+ CH - coughing
	+ UN - unconscious
	+ OE - oedema
	+ FP - flaccid paralysis
	+ NS - neck stiffness
	+ CM - congenital malformation
	+ JA - jaundice
	+ AF - abnormal fontanel
	+ PC - premature contraction
	+ SL - stroke labor
	+ DS - chronic disease
	+ PS - labor on previous cesarian section
* Step 2 - CHW sends Risk\_Death\_Message to Rapid SMS
* Step 3 - Return from Rapid SMS? (we don’t have documentation yet)
* Step 3 - Rapid SMS sends Risk\_Message to health care worker at the health center
* Step 4 - Return from health center HCW? (we don’t have documentation yet)
* Step 5 - Rapid SMS sends Risk\_Message to health care worker at the district hospital
* Step 6 - Return form hospital HCW? (we don’t have documentation yet)
* Step 7 - Rapid SMS sends Risk Message to Shared Health Record
* Step 8 - Shared Health record acknowledges to Rapids SMS that message was received

### Sequence Diagram Normal Workflow



## Alternative Workflows

#### < First alternative workflow >

CHW – phones directly to health center and or hospital and or ambulance

# Navigation (Screens Workflow)

To be defined

# Special Requirements

No special requirements were identified up to now.

# Pre-conditions

## CHW finds pregnant woman

A CHW finds a pregnant woman that presents one or more of the conditions above described

# Post-conditions

## Maternal Risks / Deaths pregnancy message sent

The Report Maternal Risks / Deaths pregnancy message was sent by the CHW to Rapid SMS.

## Rapid SMS sends risk message to HCWs

Rapid SMS sends message to the health center worker of the catchment area of the village where the pregnant woman comes from and to the district hospital health care worker informing that there is a pregnant woman at risk in this region.

## Rapid SMS sends risk message to SHR

 Rapid SMS also sends this message to the shared health record and SHR acknowledges the message was received.

# Extension Points

## SHR sends risk message to point of care application

UCXX – Shared Health Record sends Risk message to the POC application (OpenMrs)