

MANUAL USER GUIDE FOR EMR PRIMARY HEALTH CARE SYSTEM

By

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Version 1.0

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USER GUIDE FOR EMR PRIMARY HEALTH CARE SYSTEM

Browser

This user guide is to be used by the registration clerk in using the primary health care system:

1. If using a laptop or another computer, click to open Mozilla fire fox
2. In case there is no Mozilla fire fox, install it on your machine because it's suitable in Mozilla fire fox and this system doesn't support internet explorer :

1. Download the product

You can download the latest version of Firefox for free from here:

<http://www.mozilla.com/en-US/products/download.html>

The current version is recommended.

2. Install Firefox

Locate the file you downloaded in step 1. It should be called Firefox Setup 3.6.exe or something very similar. Double click on the file to start installation.

Once the install is under way agree to the license and accept the suggested default options.

At one stage in the Firefox installation you will be asked whether you want to make Firefox your default browser. I suggest you initially answer "no." That way you can test out Firefox without altering any of your current Windows settings.

If at a later date you want to make Firefox your default browser you can do so by selecting this option from within Firefox.

Log in openmrs website

3. In case fire fox is launched enter in address bar an OpenMRS primary health care link <https://rwanda.pih-emr.org/openmrs/> to proceed with login in system:

Not logged in | [Log in](#) | [Help](#)

OPENMRS
MEDICAL RECORD SYSTEM

Welcome to Openmrs. Please login to proceed.

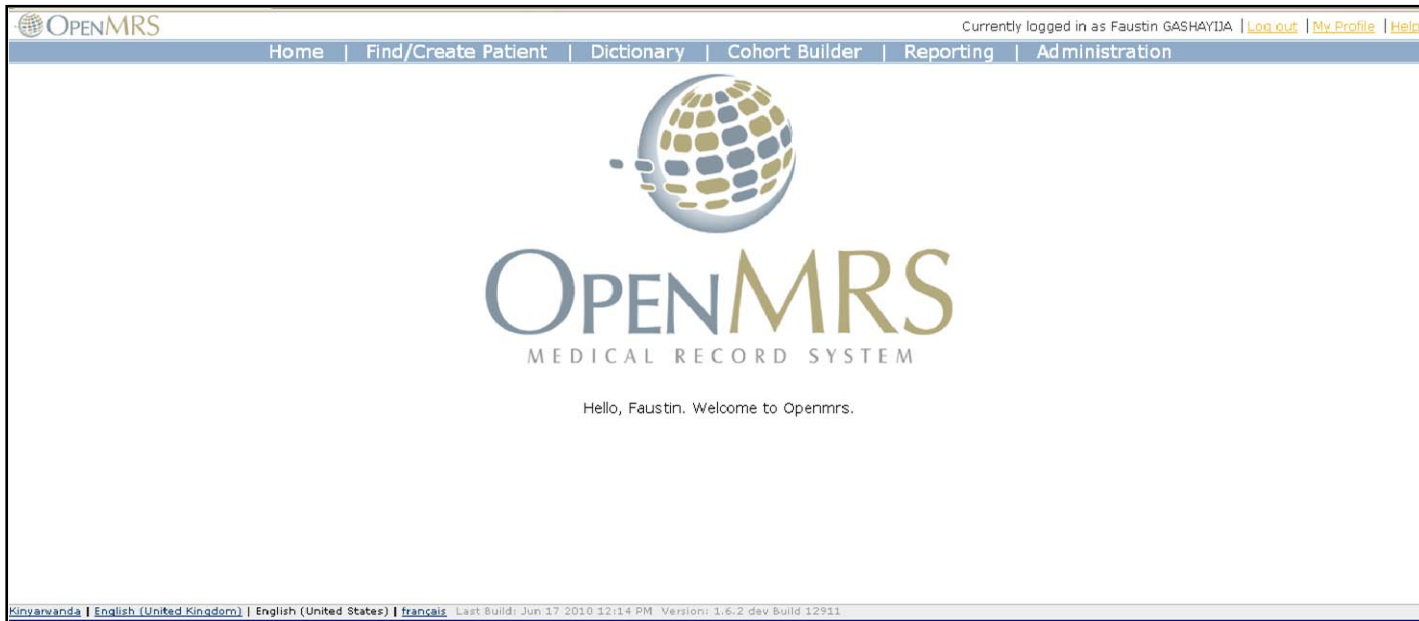
Username:

Password:

[I forgot my password](#)

OpenMRS welcome page

4. The User is directed to OpenMRS welcome page once user is logged into the OpenMRS server

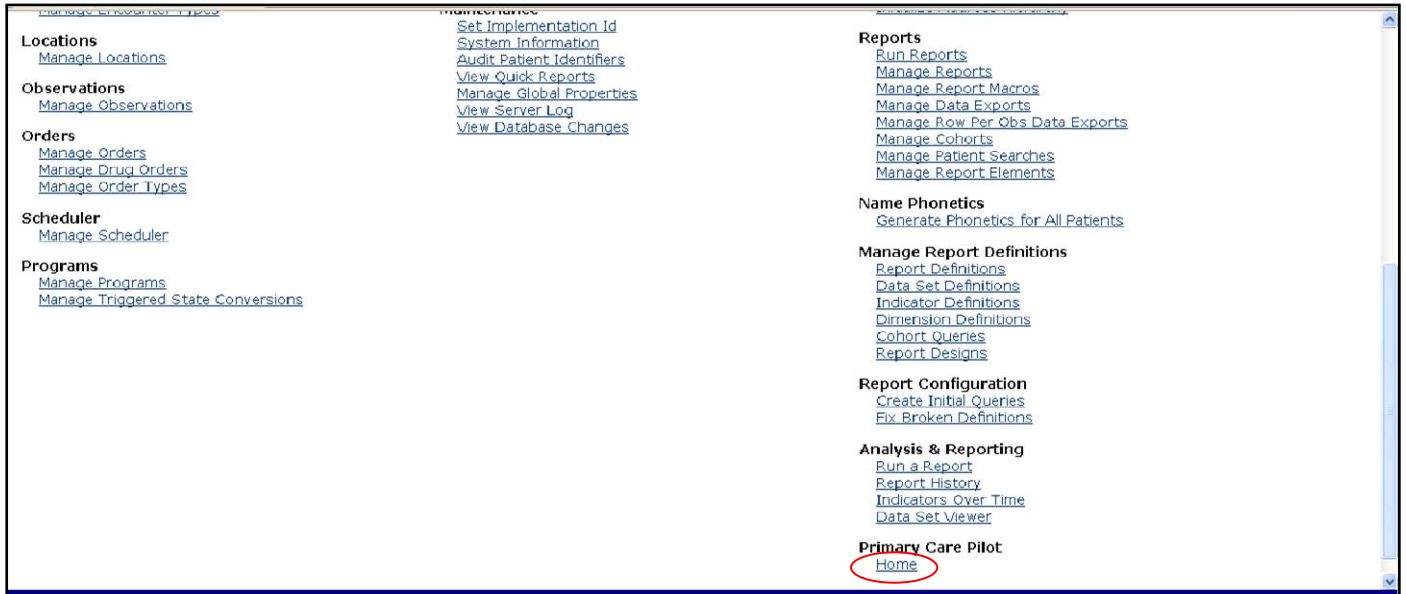


5. Click on administration tab:



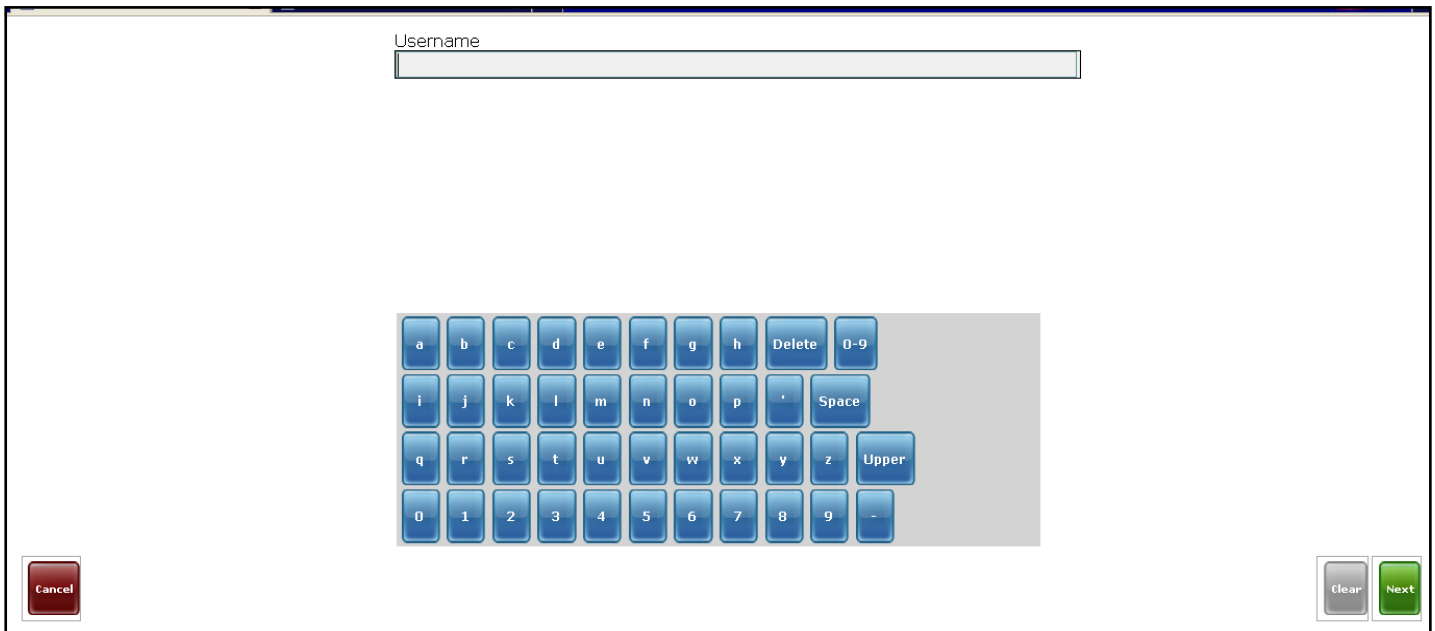
Administration view

- Click on **Home**, under **Primary Care Pilot** on the **Administration** view,
This will direct primary health care **log in page** to open up:

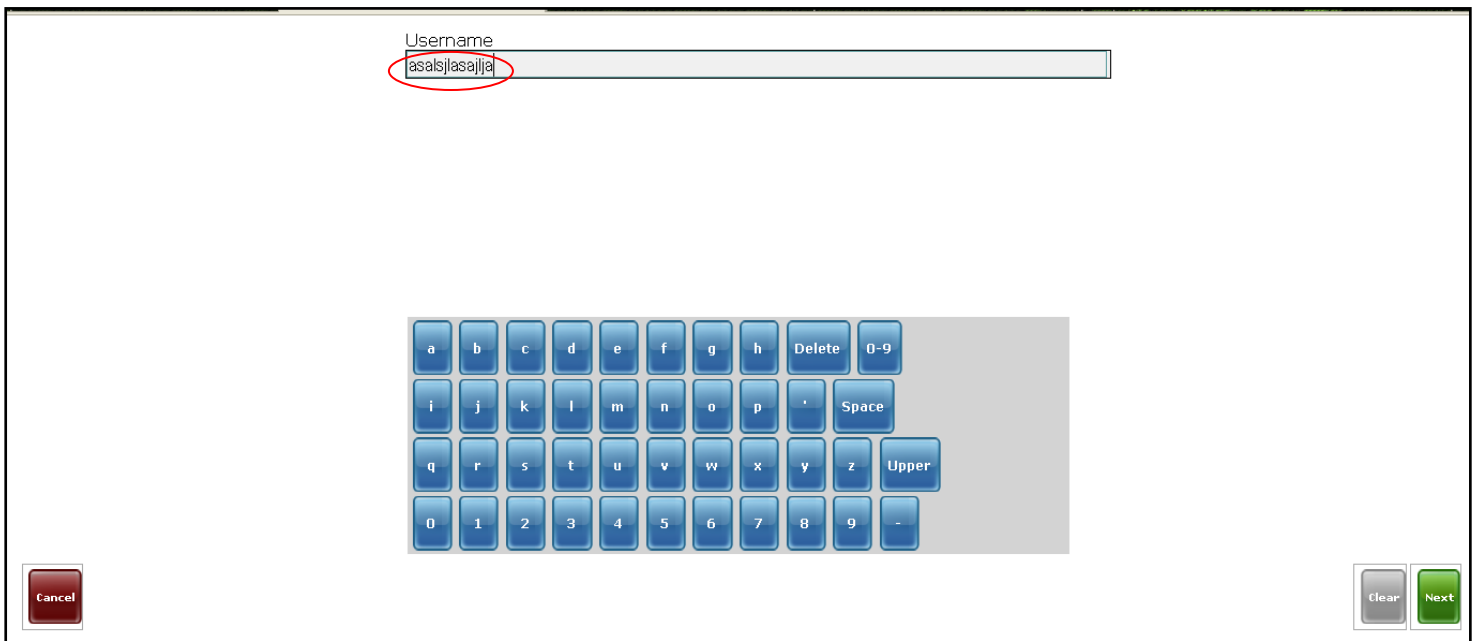


Primary health care login page

- Primary health care login page opens up:
*For **TOUCH SCREEN APPLICATION**, this is the user's first page **log in page** in the primary health care system too:*

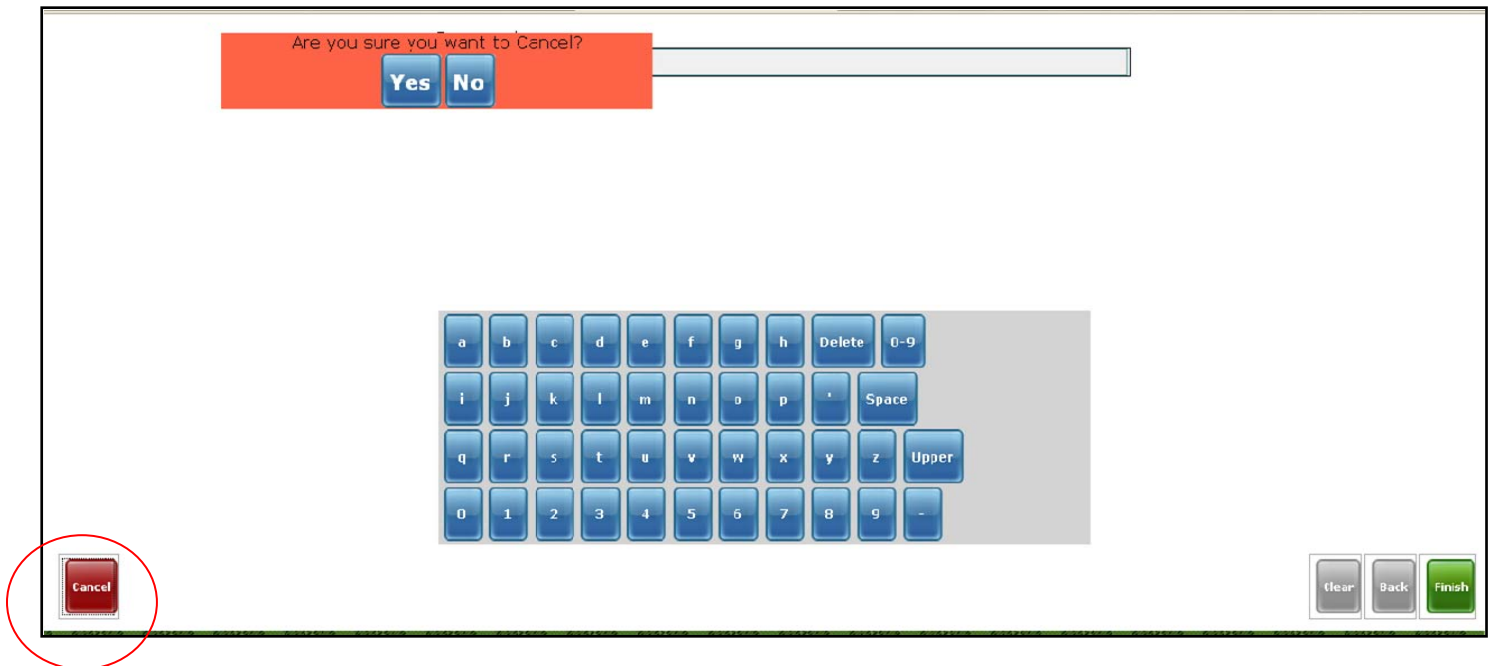


8. Enter **Username** by selecting the appropriate letters on the screen or just use on your keyboard11:



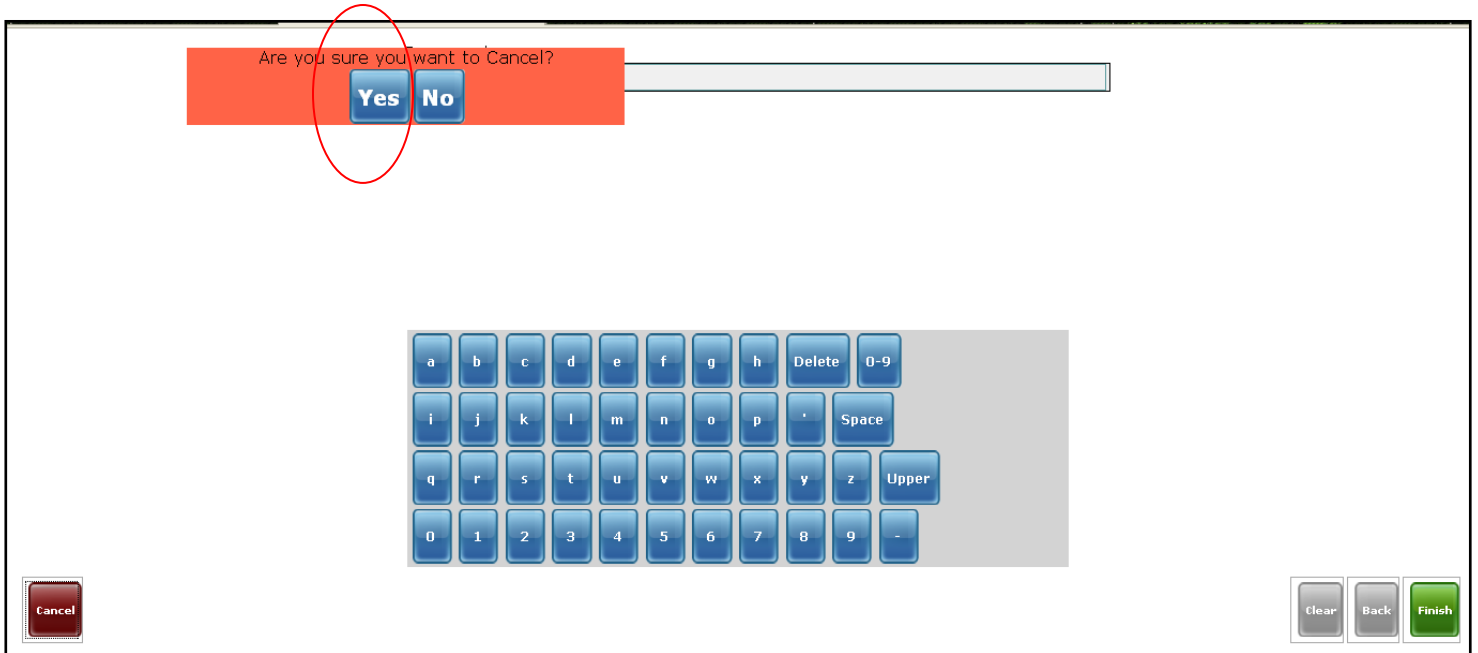
9. Select the **Clear** button to delete the all Username letters , **Delete** to delete one by one username letters entered OR use the **Cancel** button

10. When the **Cancel** button is used, a window pops up asking if you want to cancel appears:

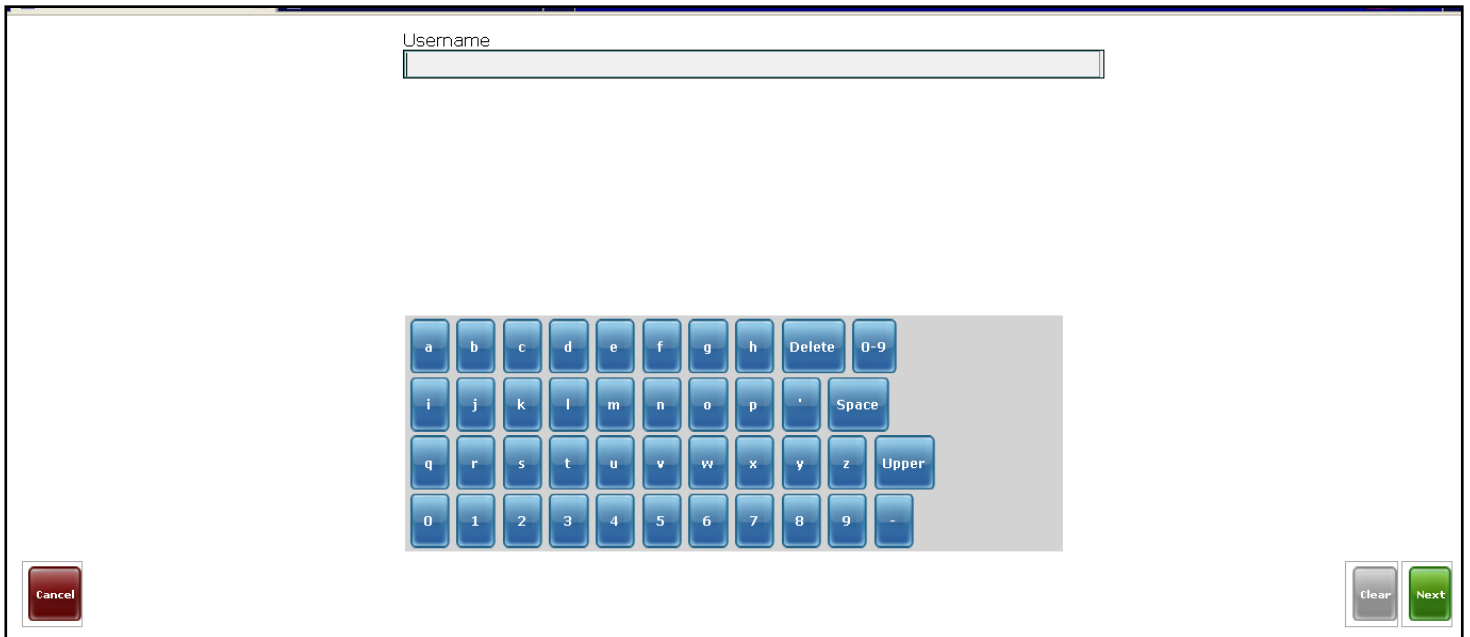


11. Select **Yes** to cancel and **No** to go back to log in screen

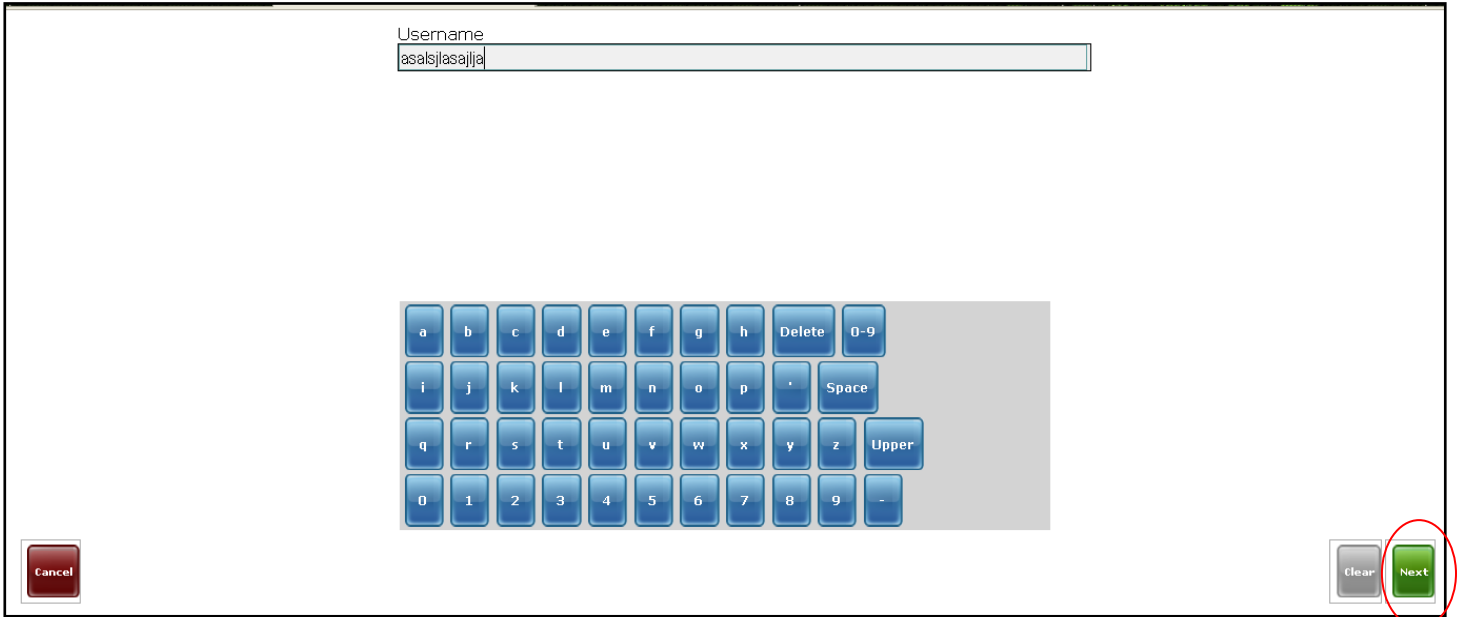
Selecting **Yes** will direct you back to the log in page with **Username** blank:



11.1. This is the log in page with **username** blank after selecting Cancel and then **Yes**:



12. Then after you have entered correct username Select the **Next** button
This will move user to the next screen:

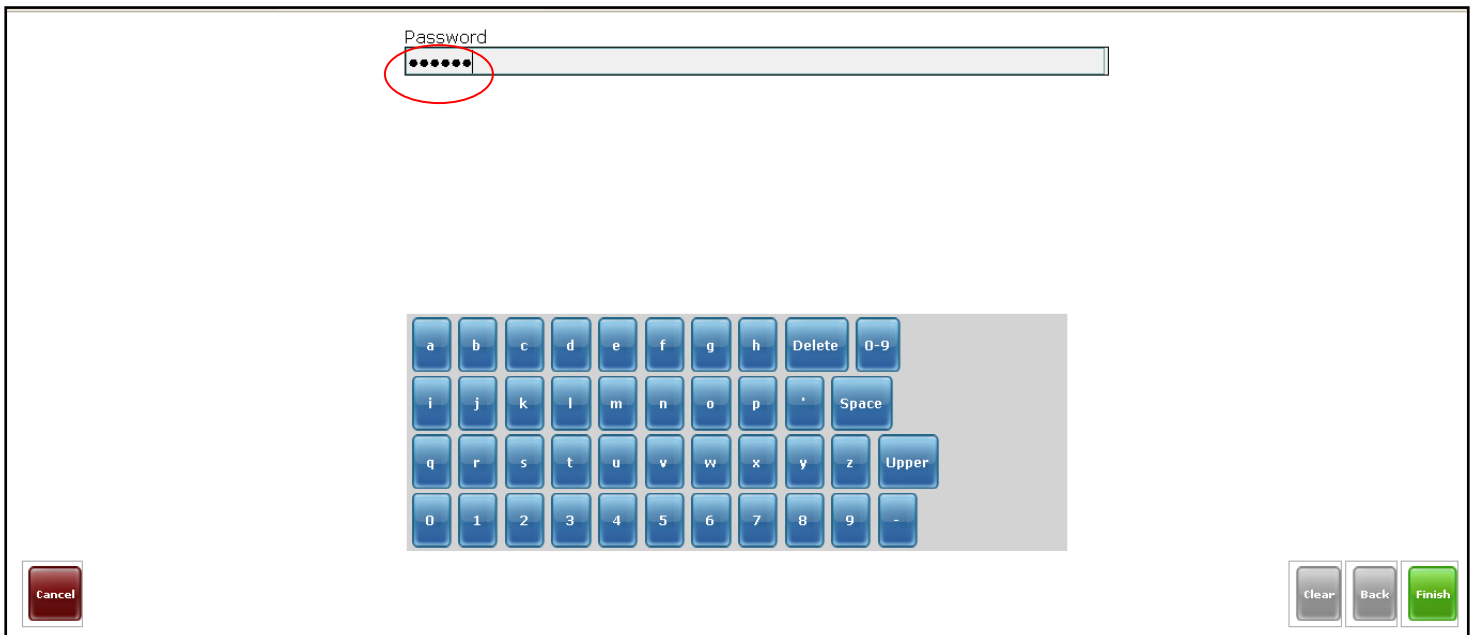


Username
asals|asaj|ja

Virtual keyboard with buttons: a, b, c, d, e, f, g, h, Delete, 0-9, i, j, k, l, m, n, o, p, ., Space, q, r, s, t, u, v, w, x, y, z, Upper, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, -

Buttons: Cancel, Clear, Next

13. Enter **Password** by selecting the appropriate letters on the screen or keyboard:



Password
••••••

Virtual keyboard with buttons: a, b, c, d, e, f, g, h, Delete, 0-9, i, j, k, l, m, n, o, p, ., Space, q, r, s, t, u, v, w, x, y, z, Upper, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, -

Buttons: Cancel, Clear, Back, Finish

14. Select the **Clear** button to delete the all Username letters, **Delete** to delete one by one username letters entered and use the **Cancel** button OR **Back** button to go to previous page to enter username.

15. Select the **Finish** button to complete log in:

The screenshot shows a login interface. At the top, there is a text input field labeled "Password" containing six black dots. Below the field is a virtual keyboard with four rows of buttons: the first row has letters a-h, Delete, and 0-9; the second row has i-p, a period, and Space; the third row has q-z and Upper; the fourth row has numbers 0-9 and a dash. In the bottom left corner is a red "Cancel" button. In the bottom right corner are three buttons: "Clear", "Back", and "Finish". The "Finish" button is highlighted with a red circle.

16. If a wrong username and/or password are provided an error message appears and user is directed back to the log in screen for **Username** then proceed with correct login:

This screenshot shows the same login interface as above, but with an error message. A red banner at the top of the screen displays the text "Login failed. Please try again." Below the banner is the password field and the virtual keyboard. The "Cancel" button is in the bottom left. In the bottom right, the "Clear" and "Next" buttons are visible, with the "Next" button highlighted in green.

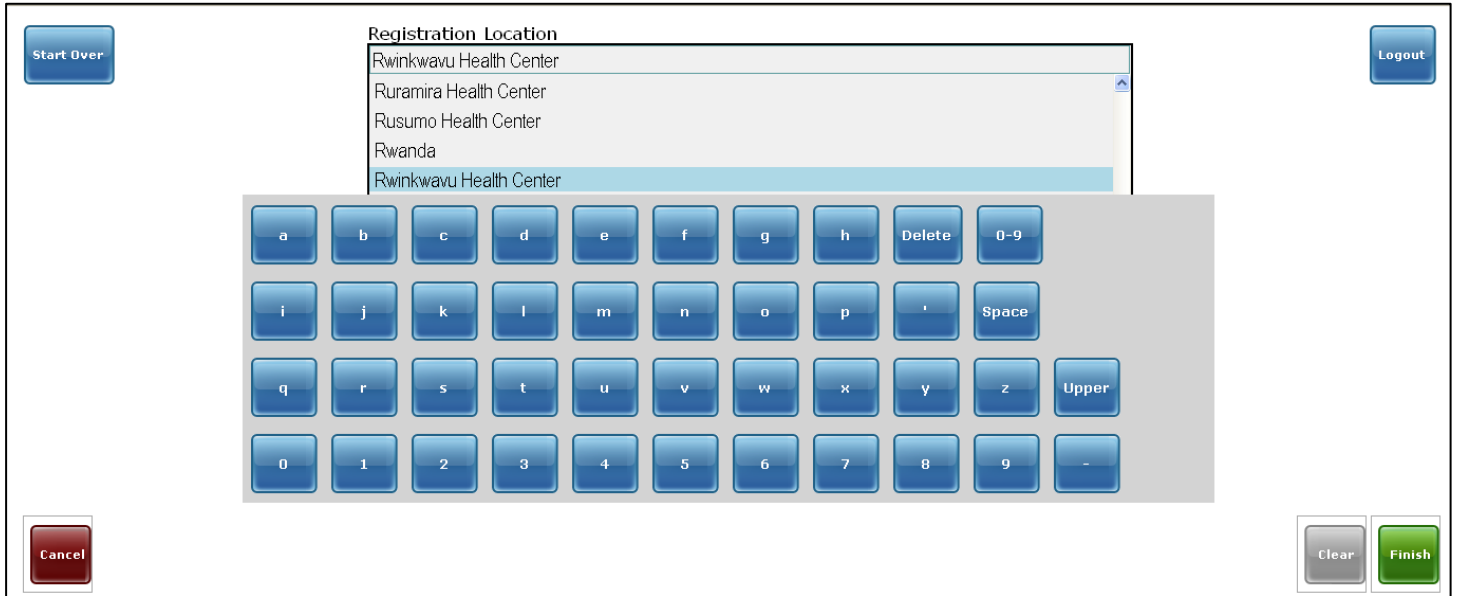
! Once username and password are confirmed to be correct, the user is pointed to the next screen

Registration location

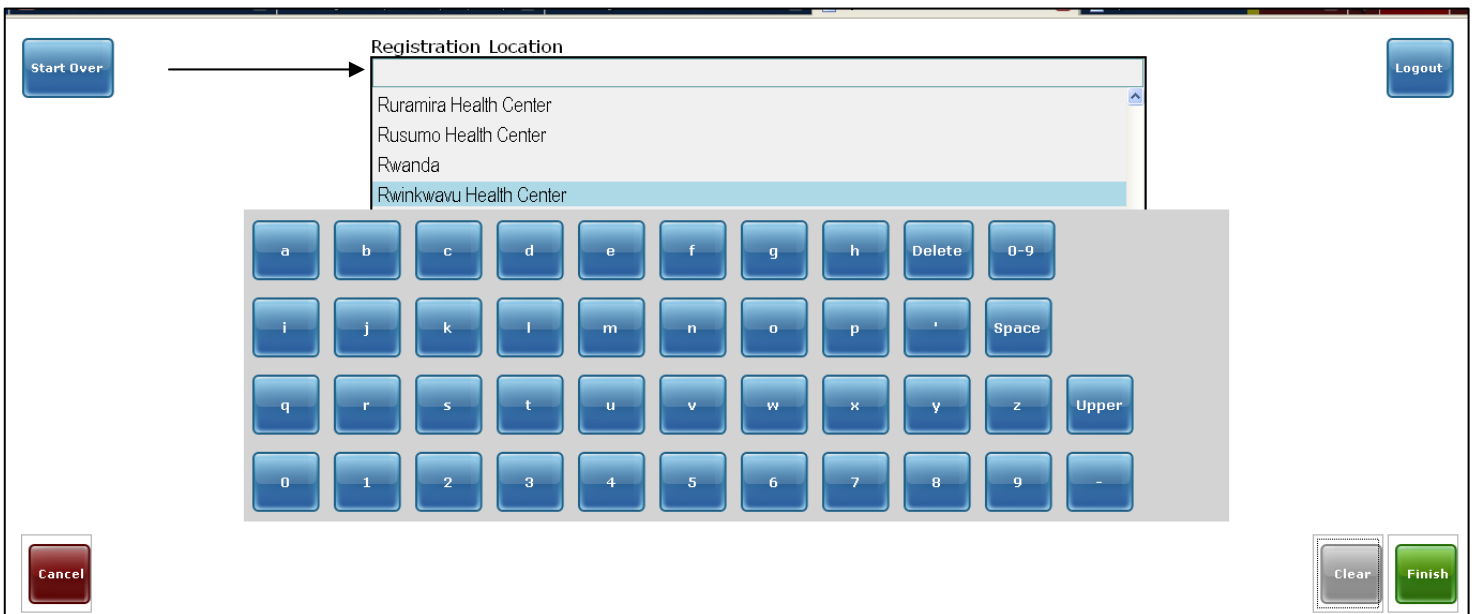
17. Select the **appropriate health center** from the drop down menu to provide an answer for where are you?
User should select health center where patient registration is taking place

18. Alternatively, the health center can be entered using the touch screen.

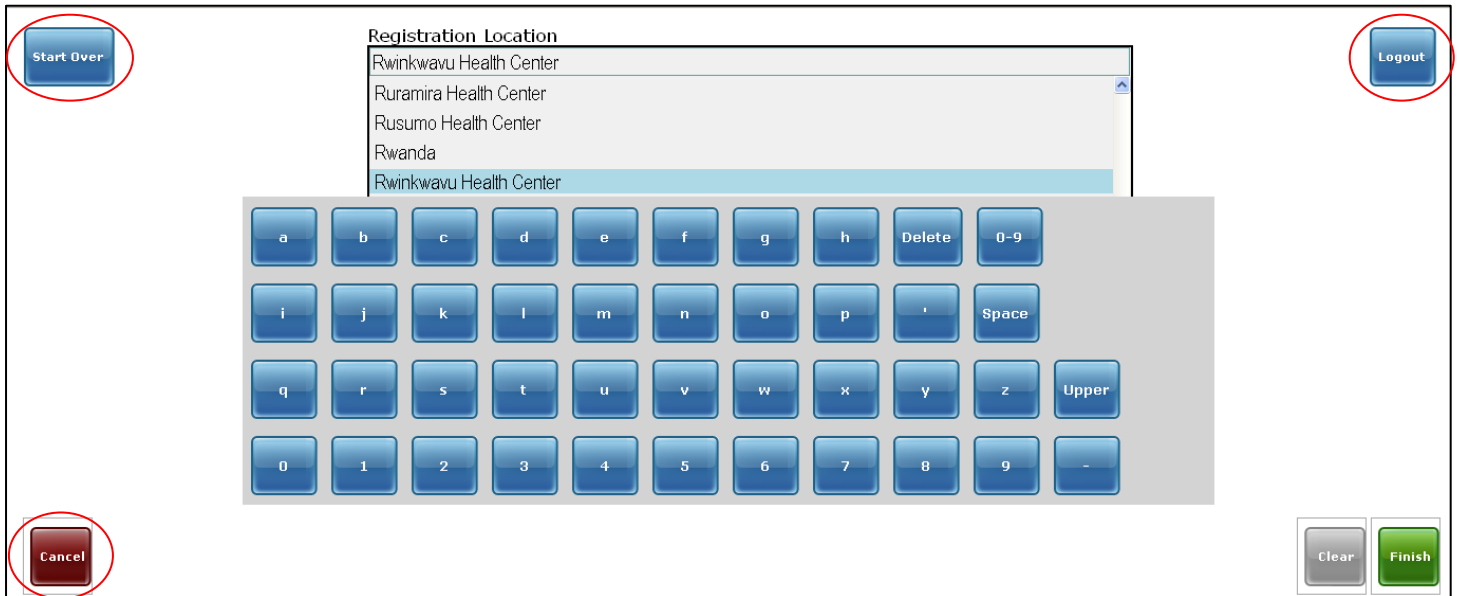
Note that this is case sensitive and you'll still need to select the appropriate health center from the dropdown list if cases do not match:



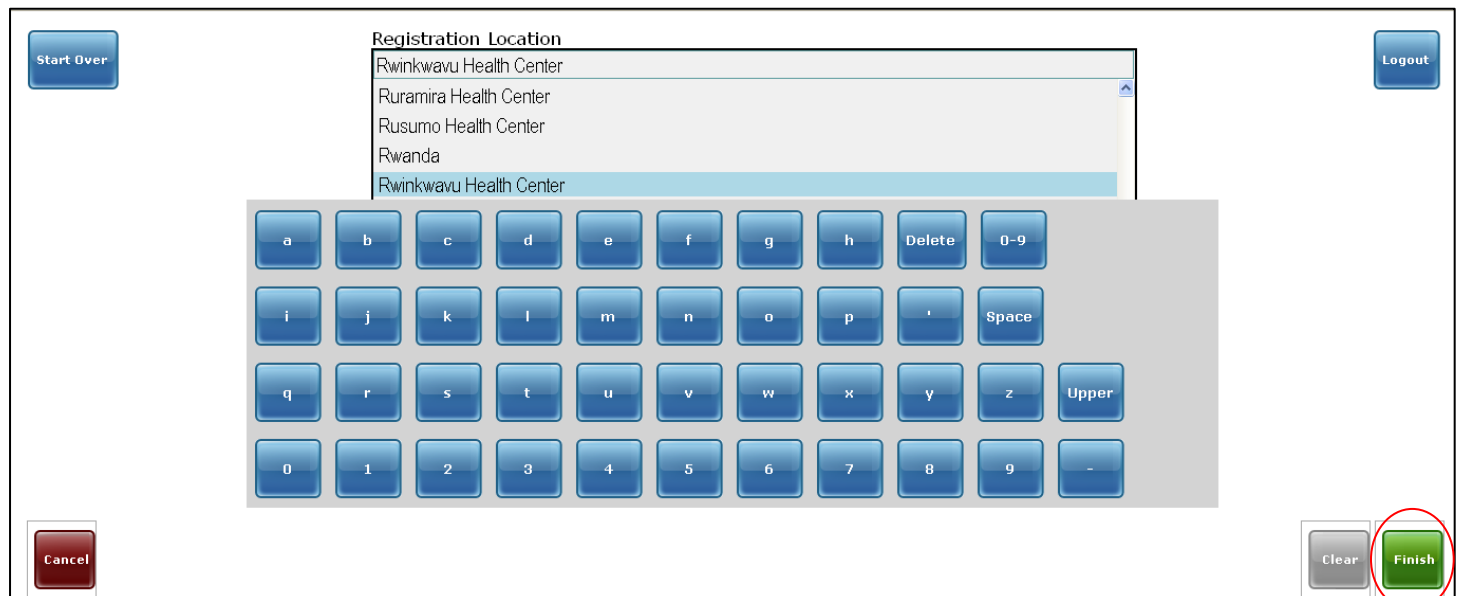
19. Select the **Clear** button to clear the health center location entered



20. Select the **Cancel**, **Start Over** or **Logout** button to return to the initial log in page



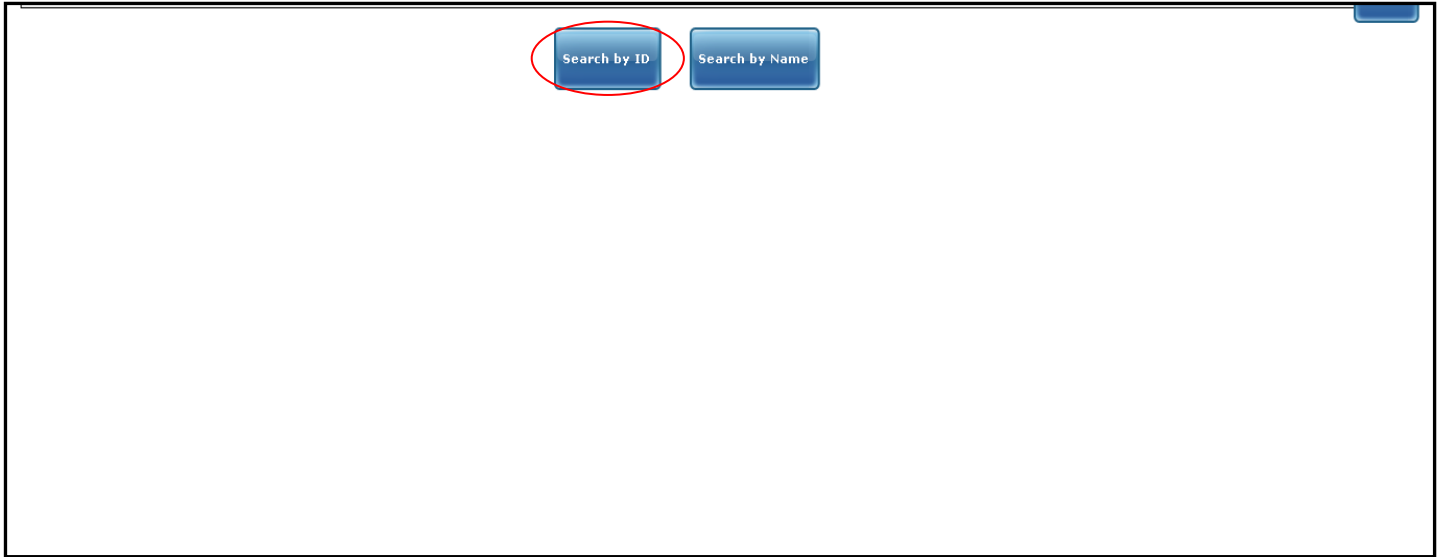
21. Otherwise, select **Finish** button to move to the next screen:



Patient search

22. Select *Search by ID* if the patient has an ID number:

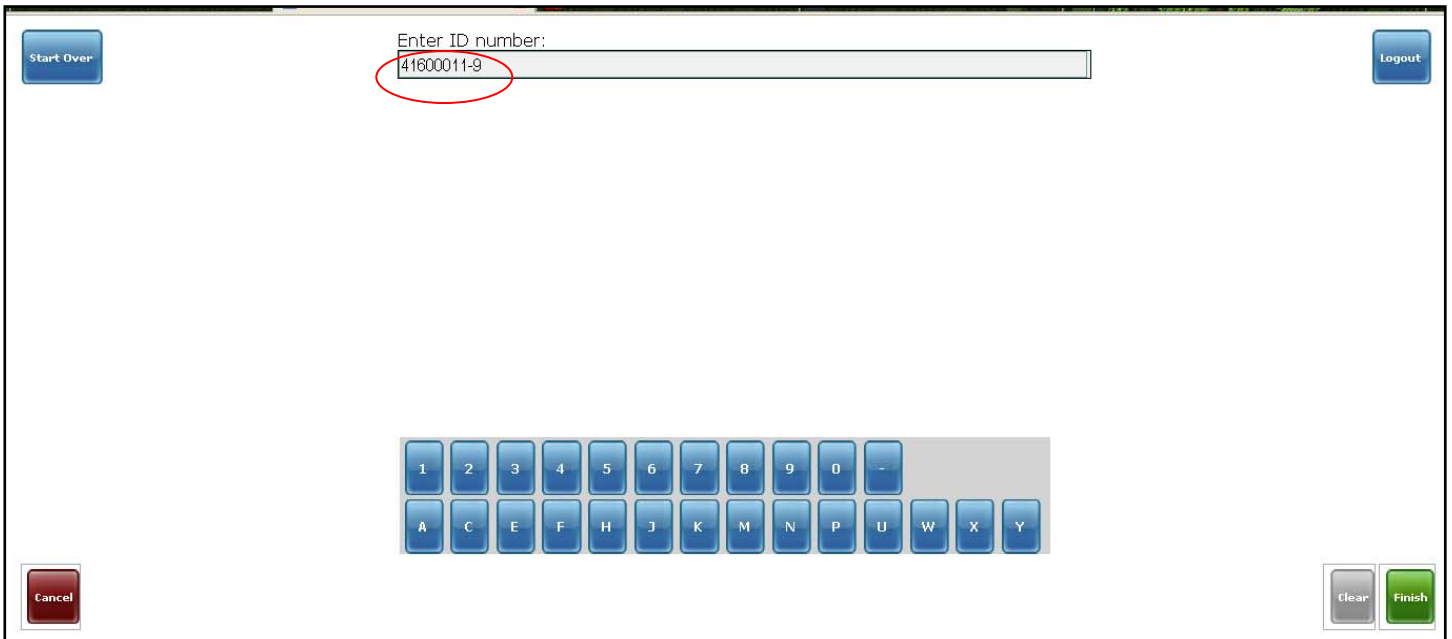
For the new patient or a patient with no ID number, the User has to **Search by name** (it's shown from page 38 to be able to create him/her, user uses **Print ID barcode for offline use** when he/she wants to print barcodes to use where there is no internet connection.



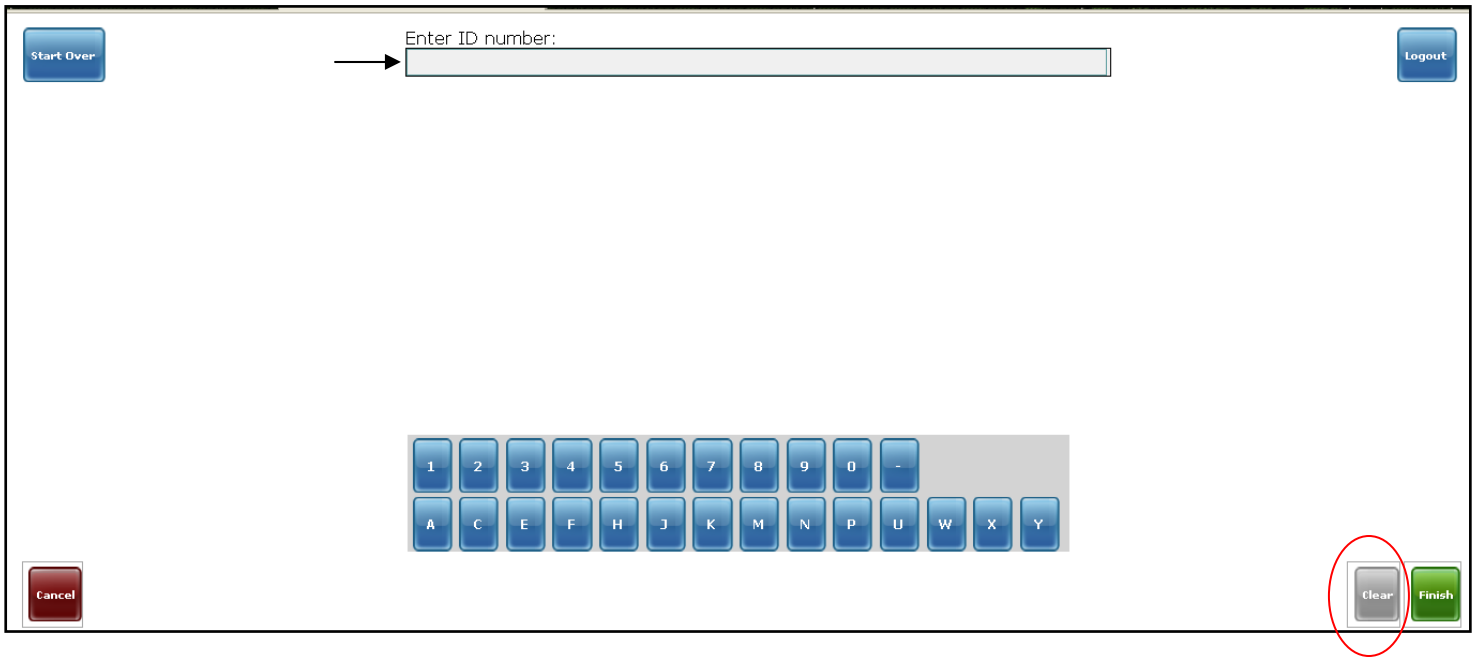
Correct ID

23. Use the scanner to scan patient barcode for ID number, the ID number will be populated in the ID number space

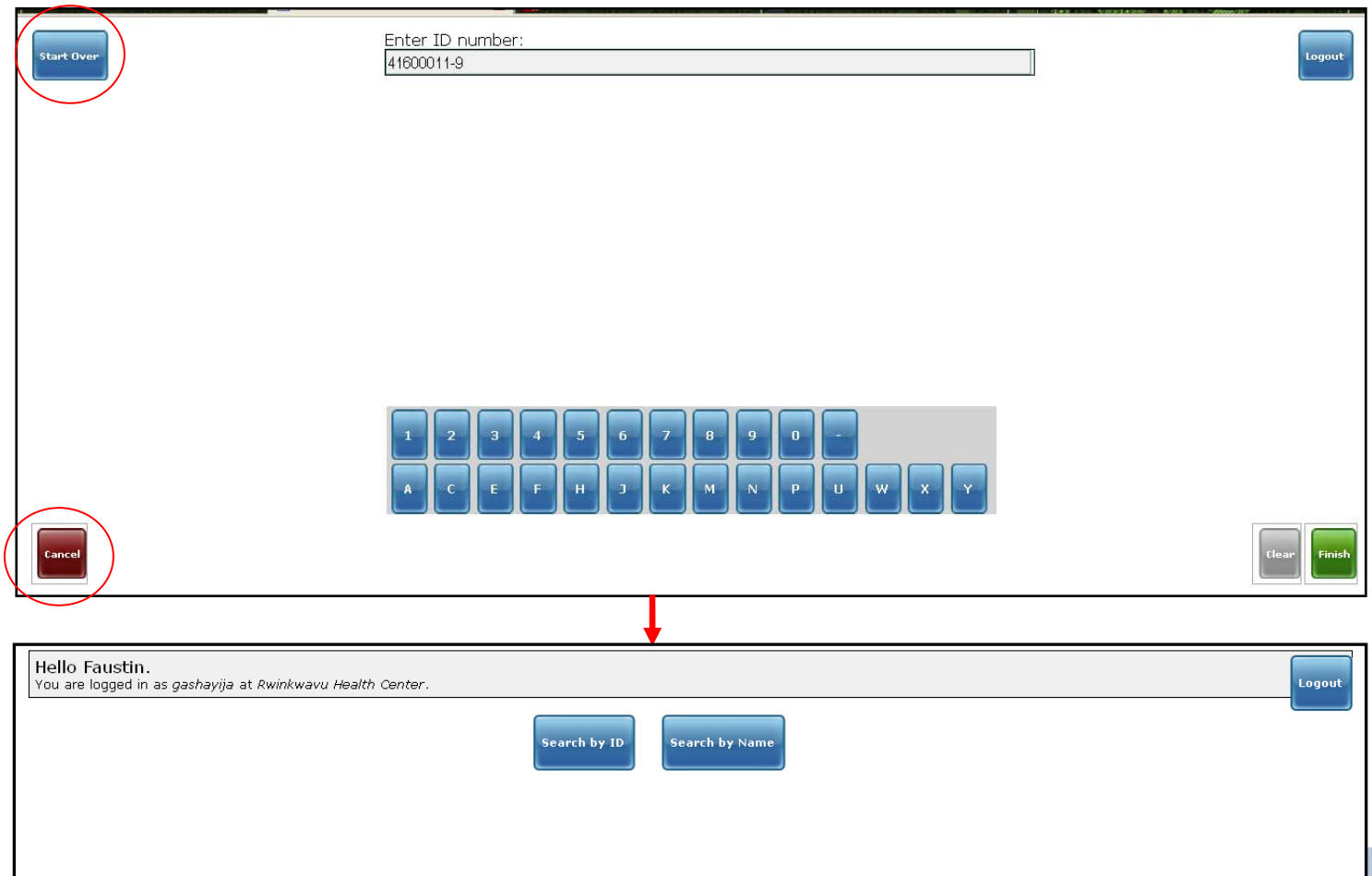
24. Alternatively Enter **ID number** in the space provided using numbers on screen or just on your keyboard:



25. Select **Clear** button to remove ID number entered if entered wrongly :



26. Use **Start over** or **Cancel** button to return to after login page:



27. Otherwise, select **Finish** to move to the next screen:

Start Over

Enter ID number:
41600011-9

Logout

1 2 3 4 5 6 7 8 9 0 -

A C E F H J K M N P U W X Y

Cancel

Clear Finish

28. This page shows patient's names and ID number confirming he/she is the one entered:

Start Over

Logout

KAYITESI Sauda - 27yo F (Rwinkwavu Health Center) - Rubimba

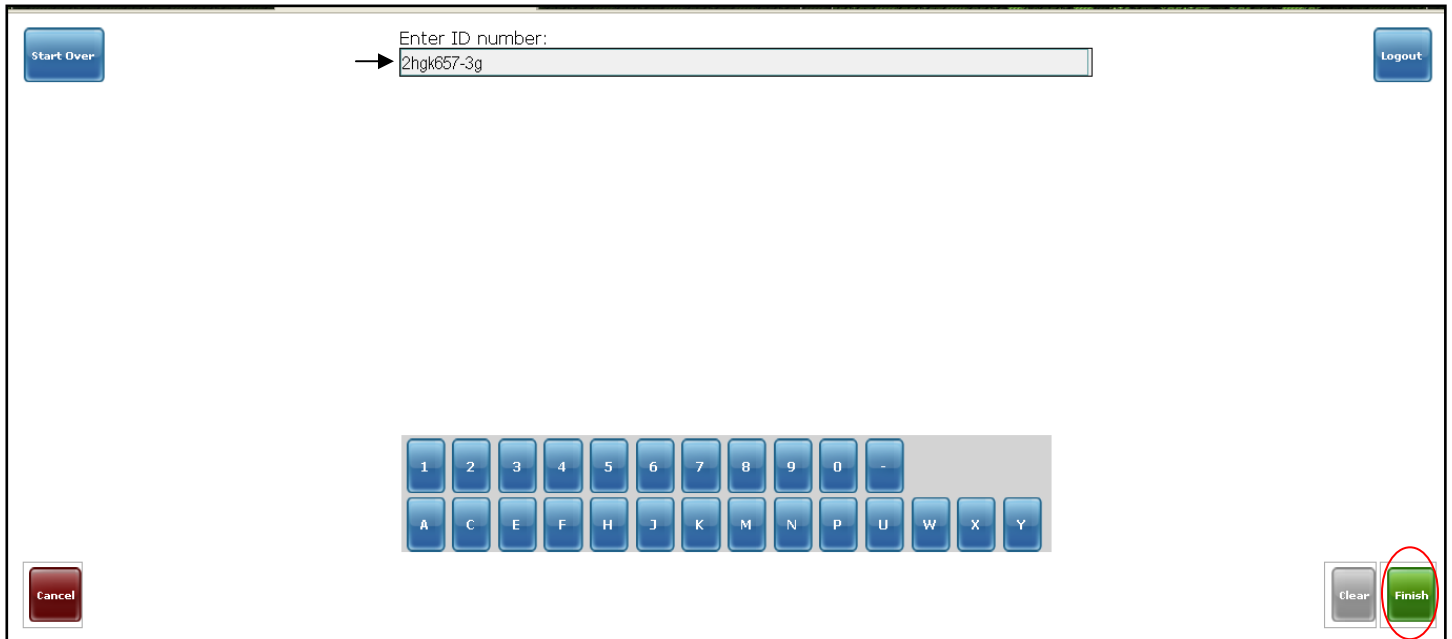
Primary Care: 41600011-9
Rwanda National ID:
IMB ID:

If the User uses **Start over** button he/she will be directed to an **after log in page** or **logout** to go to **initial login page**:



Wrong ID

29. If the user provides a wrong ID number (in case of mistake in typing for instance) and then he/she clicks on **next** button:



The screenshot shows a web interface for entering an ID number. At the top left is a blue "Start Over" button. In the center, there is a text input field labeled "Enter ID number:" containing the text "2hgk657-3g". To the right of the input field is a blue "Logout" button. Below the input field is a virtual keyboard with two rows of buttons: the first row contains numbers 1-0 and a hyphen, and the second row contains letters A-Z. At the bottom left is a red "Cancel" button. At the bottom right are two buttons: a grey "Clear" button and a green "Finish" button, which is circled in red.

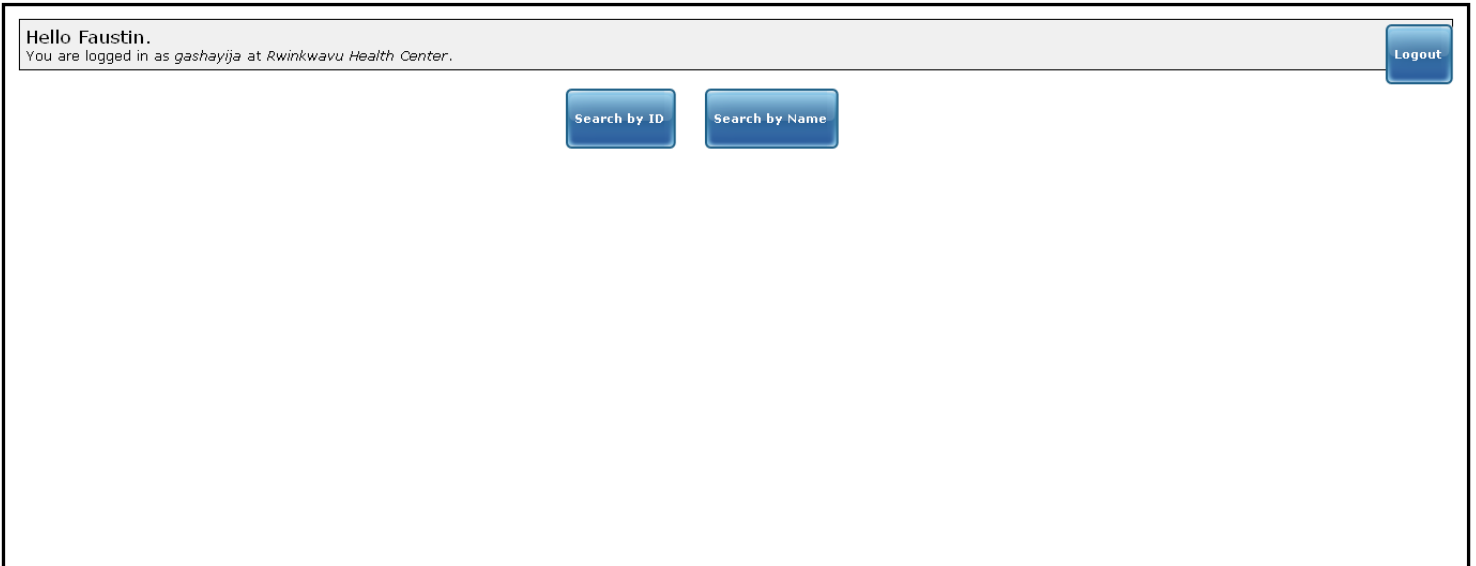
30. The following page comes to let you **Search by ID again** or **Search by name** if the ID continues to seem incorrect or just select **Start over** to come on **after log in page**:

31.1. let's try to Click on **start over** button:

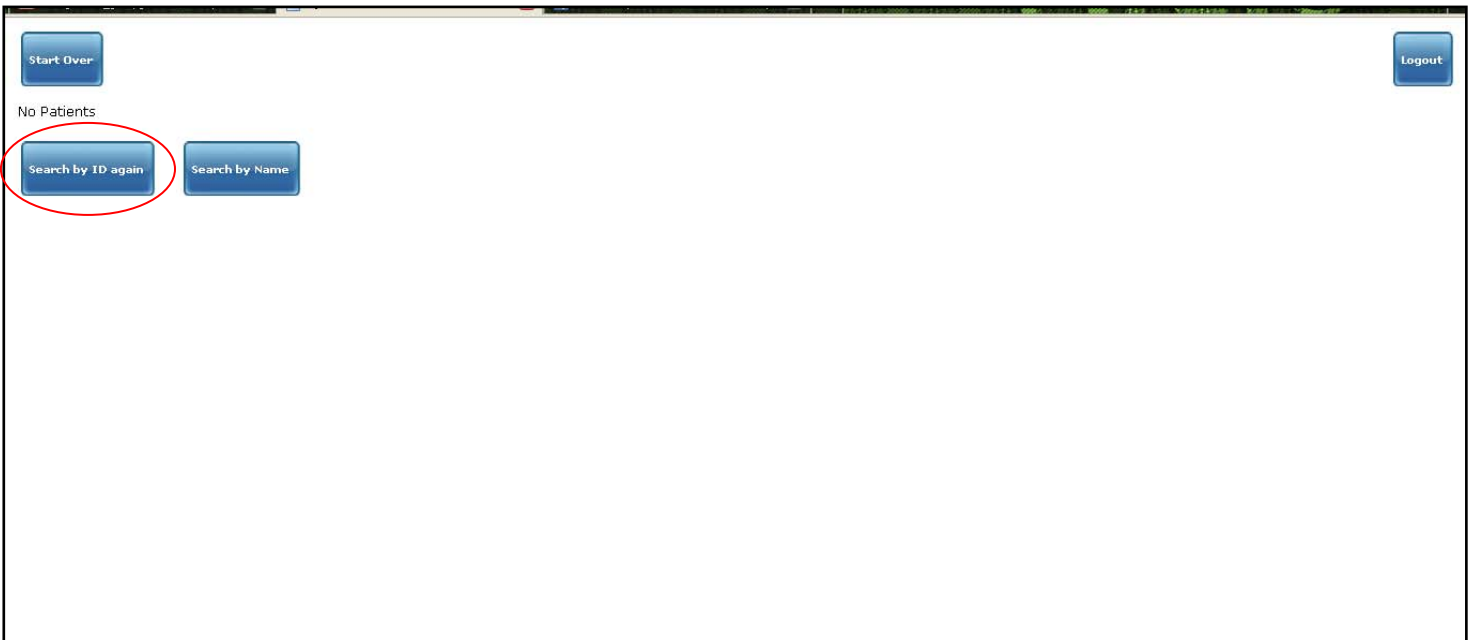


The screenshot shows a web interface with a blue "Start Over" button circled in red at the top left. Below it, the text "No Patients" is displayed. In the center, there are two blue buttons: "Search by ID again" and "Search by Name". At the top right is a blue "Logout" button.

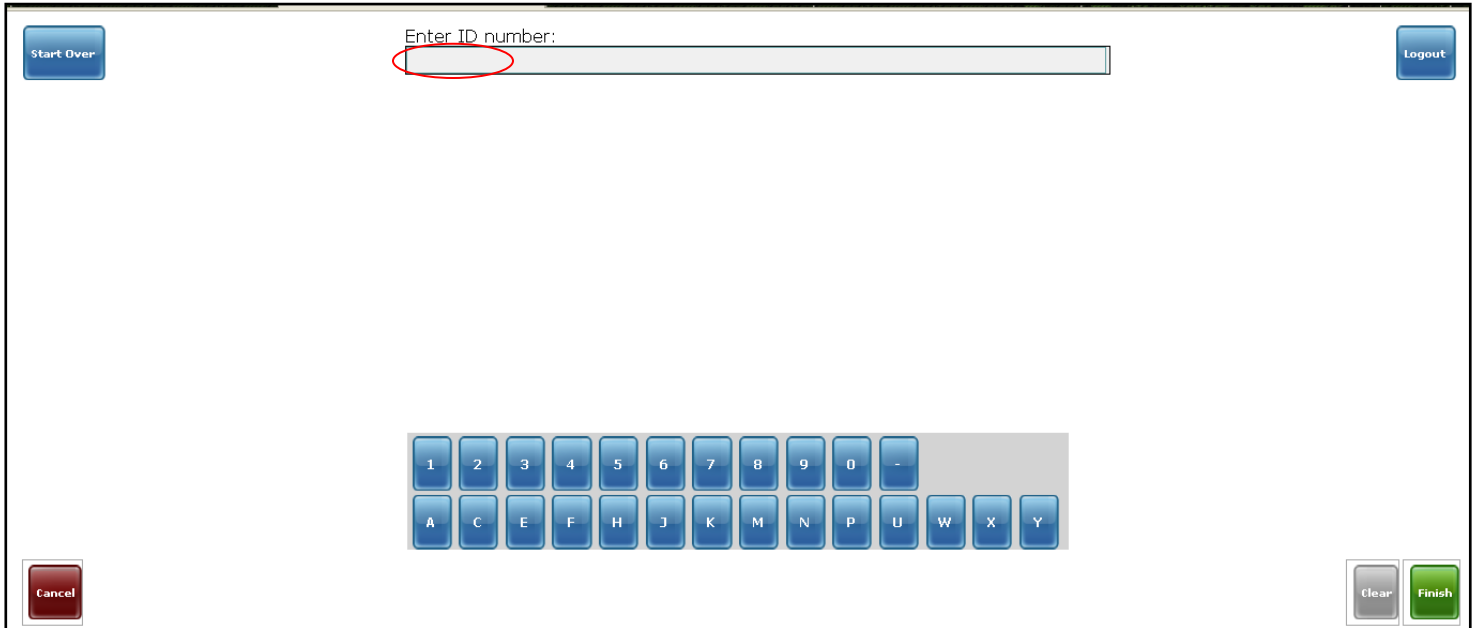
31.1.1. This is the **after log in page** which comes up after clicking on start over:



31.2. If the user clicks on **Search by ID again** he/she will be directed to space for ID number:



31.2.1. This is the space for ID number which comes up after clicking on **Search by ID number again** button:



The screenshot shows a software interface for entering an ID number. At the top left is a blue button labeled "Start Over". At the top right is a blue button labeled "Logout". In the center, the text "Enter ID number:" is followed by a long, empty text input field. A red circle highlights the beginning of this input field. Below the input field is a numeric keypad with buttons for digits 1-0 and a hyphen/underscore key, and an alphabetic keypad with buttons for letters A, C, E, F, H, J, K, M, N, P, U, W, X, and Y. At the bottom left is a red button labeled "Cancel". At the bottom right are two buttons: a grey "Clear" button and a green "Finish" button.

31.3. Use **Search by name** button in case the ID number continues to fail or just the user decides to create this patient as new in the system:



The screenshot shows a software interface with search options. At the top left is a blue button labeled "Start Over". At the top right is a blue button labeled "Logout". Below these buttons, the text "No Patients" is displayed. Underneath, there are two blue buttons: "Search by ID again" and "Search by Name". A red circle highlights the "Search by Name" button.

31.3.1. This page comes after user has chosen **Search patient by name** and wants to find out this patient using his/her names or just wants to create him/her as new in the system (more details since page 38):

Start Over

Rwandan Name

No Items

Logout

A B C D E F G H Delete 0-9

I J K L M N O P ' Space

Q R S T U V W X Y Z Lower

0 1 2 3 4 5 6 7 8 9 -

Cancel

Clear Next

31. Let 's continue on patient found after **Searching by correct ID**:

Start Over

Logout

NGIRUWERA Jean Paul - 22yo M (Rwinkwavu Health Center) - Twibanire

IMB Primary Care Registration ID: 41600436-F

IMB ID:

Incorrect IMB ID:

Rwanda National ID:

From this page, the User may choose to start over (Start **over button**) to return to **after login page** or choose logout (**Logout button**) to go **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

Presence confirmation

32. After he/she click on patient found , the User finds the page below to confirm the presence of a patient:

The screenshot shows a web interface for confirming a patient's presence. At the top left is a blue 'Start Over' button and at the top right is a blue 'Logout' button. The main content area is divided into two sections by horizontal lines. The top section displays patient information: 'Primary Care 4160001E-A (Rwinkwavu Health Center)', 'Health Center Rwinkwavu Health Center', 'Rwandan Name NGIRUWERA', 'French/Ango Name Jean Paul', 'Gender M', 'Birthdate ~03/04/1988 (age: 22)', 'Mother's Rwandan Name Frida', 'Father's Rwandan Name NGIRUWERA', and 'Umudugudu Busasamana'. The bottom section is a yellow box with the question 'Is the patient present?' and two green buttons labeled 'Yes' and 'No'.

32.1. When select **No**, it means the patient you are working on is not present:

This screenshot is identical to the one above, showing the presence confirmation page for patient Jean Paul. However, the 'No' button in the yellow confirmation box is circled in red, indicating that this option has been selected.

From this page, the User may choose to start over (**Start over button**) to return to **after login page** or choose logout (**Logout button**) to go **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

32.1.1. If you choose No, user is saying the patient is not present and directly he/she is directed to the following page which is not fine, this page shows that no today's visit information because you have chosen **No** to express no patient available and the system is intended to register today's visit information;

The screenshot displays a patient registration screen. At the top left is a blue 'Start Over' button and at the top right is a blue 'Logout' button. The main content area is divided into three sections. The top section, highlighted in yellow, contains patient details: Primary Care 41600011-9 (Rwinkwavu Health Center), Health Center Rwinkwavu Health Center, Rwandan Name KAYITESI, French/Ango Name Souda, Gender Female, Birthdate ~02/24/1983 (age: 27), Mother's Rwandan Name kamagaju, Father's Rwandan Name KIBIRITI, and Umudugudu Rubimba. A green 'Edit Patient Details' button is positioned to the right of this section. The middle section, highlighted in light green, is titled 'Today's visit' and contains the text 'No Data'. To the right of this section are two buttons: a green 'Vitals' button and a grey 'Diagnosis' button. The bottom section contains a link 'Print another bar code' and a corresponding green button.

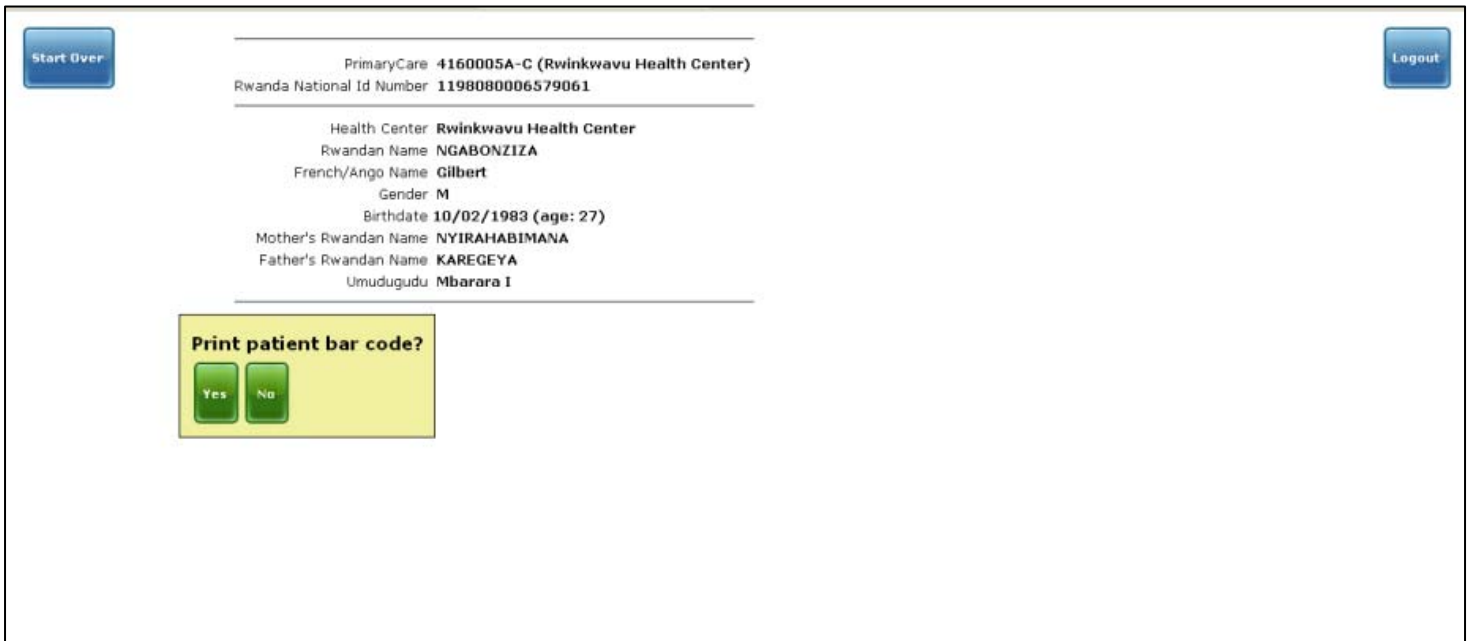
32.2. If you choose **Yes**, and this is the one indicated for good registration, the user is directed to next step:

The screenshot displays a patient registration screen. At the top left is a blue 'Start Over' button and at the top right is a blue 'Logout' button. The main content area is divided into three sections. The top section, highlighted in yellow, contains patient details: Primary Care 4160001E-A (Rwinkwavu Health Center), Health Center Rwinkwavu Health Center, Rwandan Name NGIRUWERA, French/Ango Name Jean Paul, Gender M, Birthdate ~03/04/1988 (age: 22), Mother's Rwandan Name Frida, Father's Rwandan Name NGIRUWERA, and Umudugudu Busasamana. Below this section is a yellow dialog box titled 'Is the patient present?' with two green buttons: 'Yes' and 'No'. The 'Yes' button is circled in red. The bottom section is empty.

From this page, the User may choose to start over (Start **over** button) to return to **after login page** or choose logout (**Logout** button) to go **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

Barcode print

33. This following page is intended to let the user **print barcode** if he/she selects **Yes** button, or just selects **No**, if he/she wants to print them later, after entering vitals:

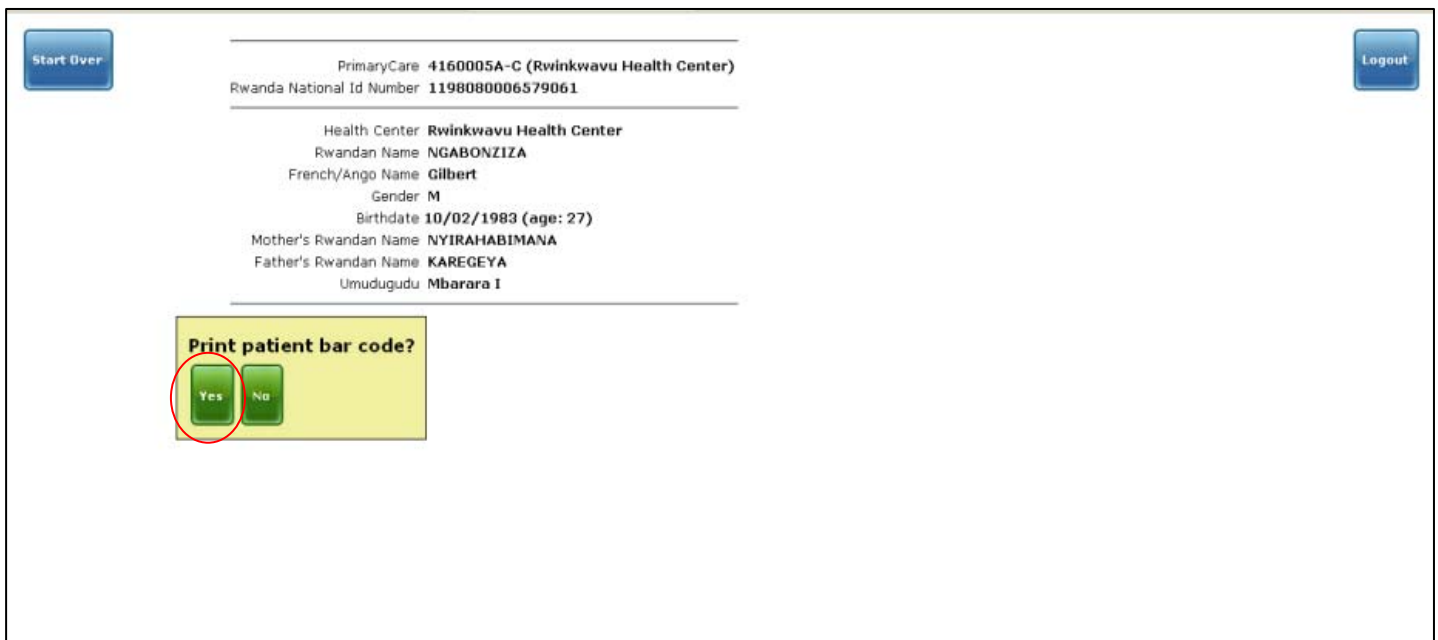


The screenshot shows a patient information page with a 'Print patient bar code?' dialog box. The patient information is as follows:

PrimaryCare	4160005A-C (Rwinkwavu Health Center)
Rwanda National Id Number	1198080006579061
Health Center	Rwinkwavu Health Center
Rwandan Name	NGABONZIZA
French/Ango Name	Gilbert
Gender	M
Birthdate	10/02/1983 (age: 27)
Mother's Rwandan Name	NYIRAHABIMANA
Father's Rwandan Name	KAREGEYA
Umudugudu	Mbarara I

The dialog box asks 'Print patient bar code?' and has two buttons: 'Yes' and 'No'.

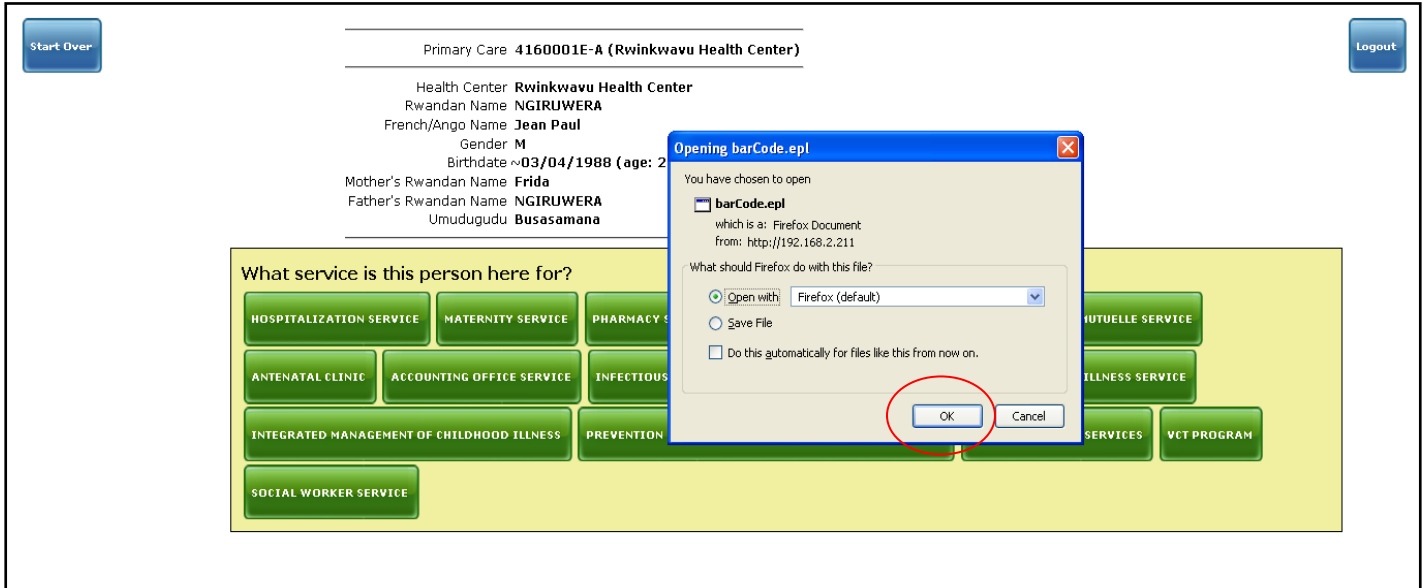
- 33.1. If the user select **Yes** button, user will need to confirm printing on new generated small window:



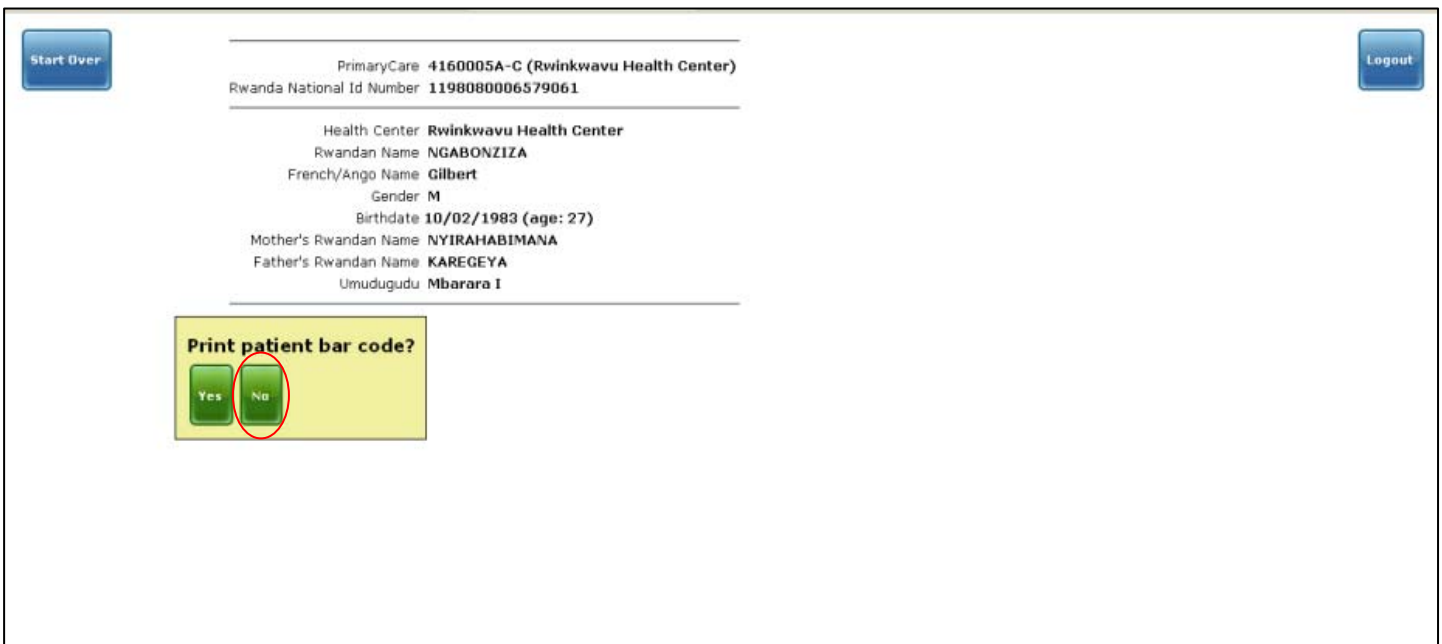
The screenshot shows the same patient information page as above, but with the 'Yes' button in the 'Print patient bar code?' dialog box circled in red, indicating it is the selected option.

From this page, the User may choose to start over (Start **over button**) to return to **after login page** or choose logout (**Logout** button) to go **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

33.1.1. Confirmation of Barcode printing by selecting **OK** on generated small window then continue registration process:



33.2. If the user prefers to print barcodes at the end of registration of current patient, he/she will use **No** button, to continue to next page as well as it happens after the user has even finished printing barcode:



Intended service selection

33.2.1. This is the page coming up after you select **No** button to skip barcodes print or even after you select Yes to let printer prints barcodes, from here the user will need to select a service the patient looks for today (the circled service is one example of asked service):

Start Over Logout

Primary Care 4160001E-A (Rwinkwavu Health Center)

Health Center **Rwinkwavu Health Center**
Rwandan Name **NGIRUWERA**
French/Ango Name **Jean Paul**
Gender **M**
Birthdate **03/04/1988 (age: 22)**
Mother's Rwandan Name **Frida**
Father's Rwandan Name **NGIRUWERA**
Umudugudu **Busasamana**

What service is this person here for?

HOSPITALIZATION SERVICE	MATERNITY SERVICE	PHARMACY SERVICES	LABORATORY SERVICES	VACCINATION SERVICE	MUTUELLE SERVICE
ANTENATAL CLINIC	ACCOUNTING OFFICE SERVICE	INFECTIOUS DISEASES CLINIC SERVICE	INTEGRATED MANAGEMENT OF ADULT ILLNESS SERVICE		
INTEGRATED MANAGEMENT OF CHILDHOOD ILLNESS	PREVENTION OF MOTHER TO CHILD TRANSMISSION SERVICE	FAMILY PLANNING SERVICES	VCT PROGRAM		
SOCIAL WORKER SERVICE					

Insurance entry

34. After the user chooses the needed service, this is a page to select an insurance type this current patient uses, in case the patient doesn't have any insurance, the user will select none in drop down insurances list:

Start Over Logout

Insurance Type

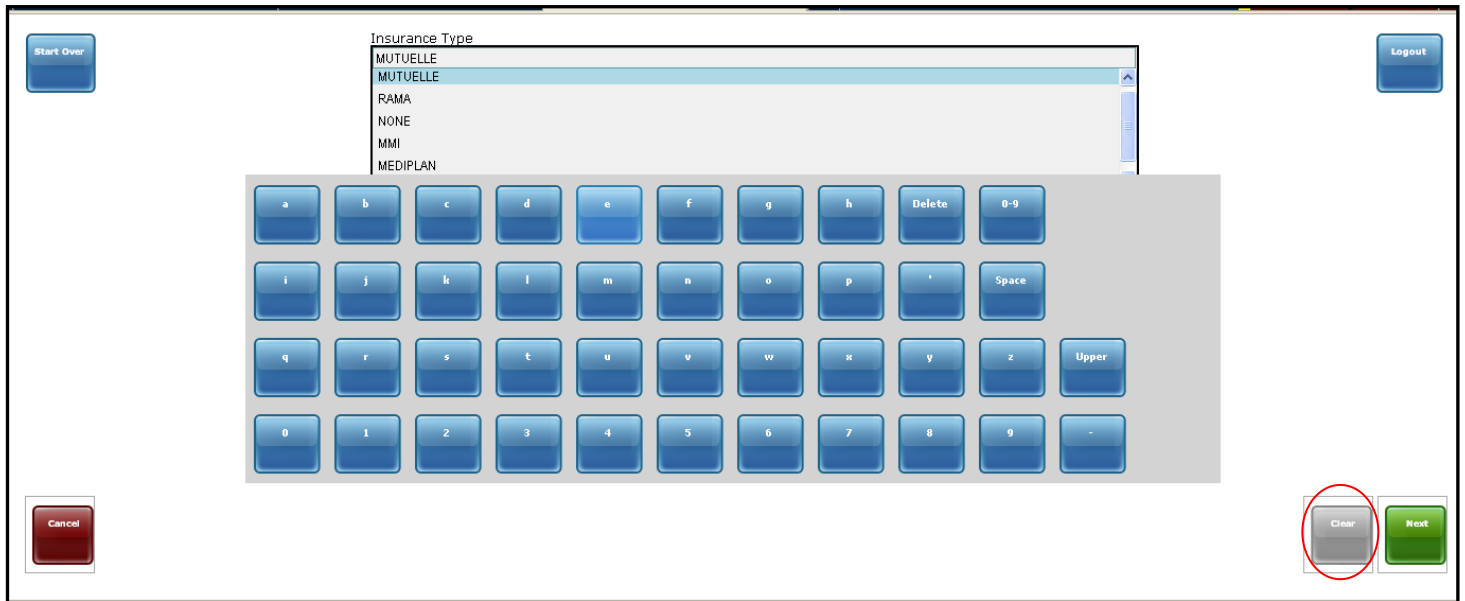
- MUTUELLE**
- MUTUELLE
- RAMA
- NONE
- MMI
- MEDIPLAN

Cancel

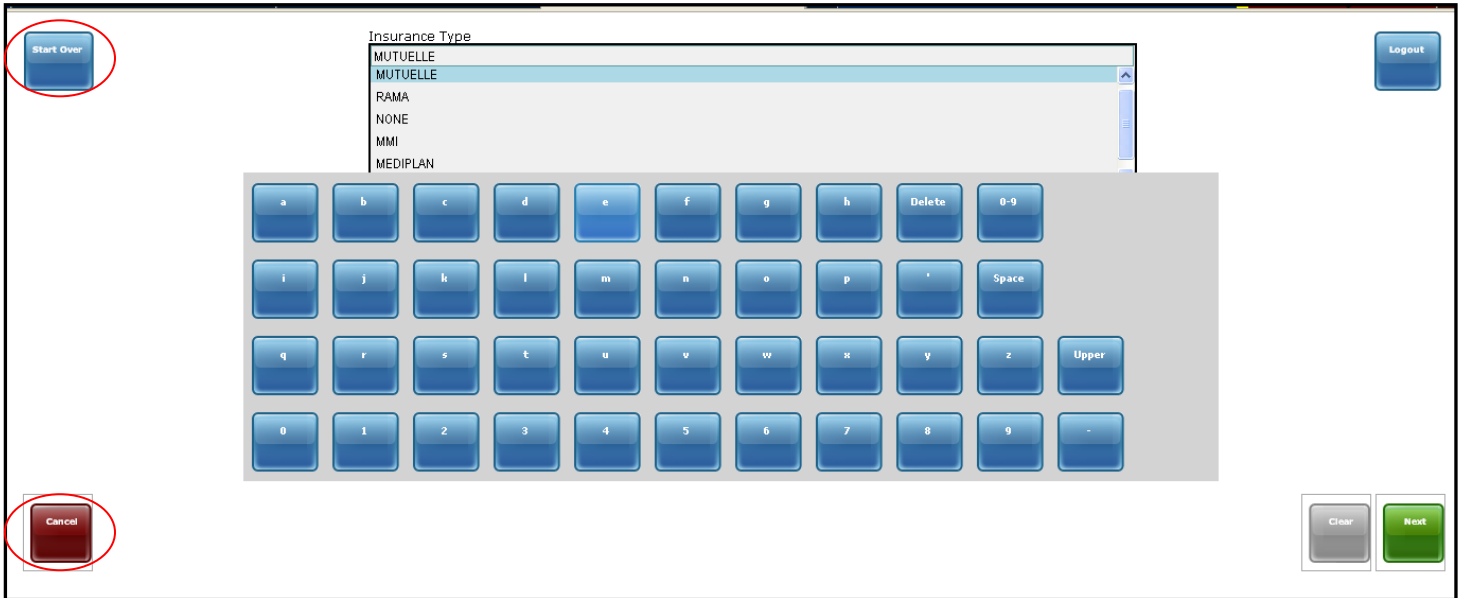
Clear Next

a	b	c	d	e	f	g	h	Delete	0-9	
i	j	k	l	m	n	o	p	*	Space	
q	r	s	t	u	v	w	x	y	z	Upper
0	1	2	3	4	5	6	7	8	9	-

34.1. From the insurance page, if user uses **Clear** button the insurance selected is cleared, then the user will need to choose again the appropriate insurance type :



34.2. The user may Select **Cancel** or **Start Over** button to direct him/her to the **after log in page** when he/she stops to proceed with this current patient:

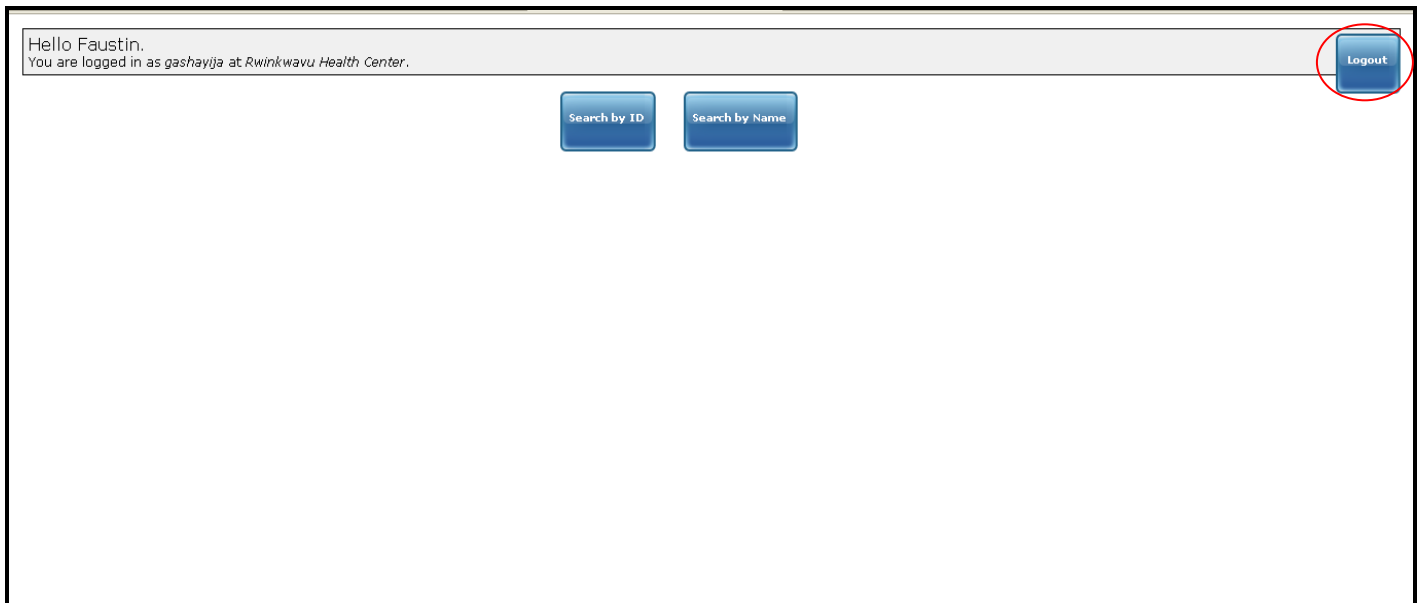


34.3. The after login page which comes after selecting **Start Over** or **Cancel** button:



The User may choose to use **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient

34.4. In case the user selects **Logout** button, he/she will be directly directed out of primary health care system; this is the initial log in page. So, the user needs to use **Logout** button only if he/she wants to stop registering patients or just if any other user is here to use the system:



34.5. The initial log in page for primary health care registration system coming after selecting **Logout** button:

Username

Virtual keyboard buttons: a, b, c, d, e, f, g, h, Delete, 0-9, i, j, k, l, m, n, o, p, Space, q, r, s, t, u, v, w, x, y, z, Upper, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, -

Buttons: Cancel, Clear, Next

34.6. Otherwise after the user has selected the appropriate insurance type, he/she needs to select **Next** button to go on the next step :

Start Over

Insurance Type

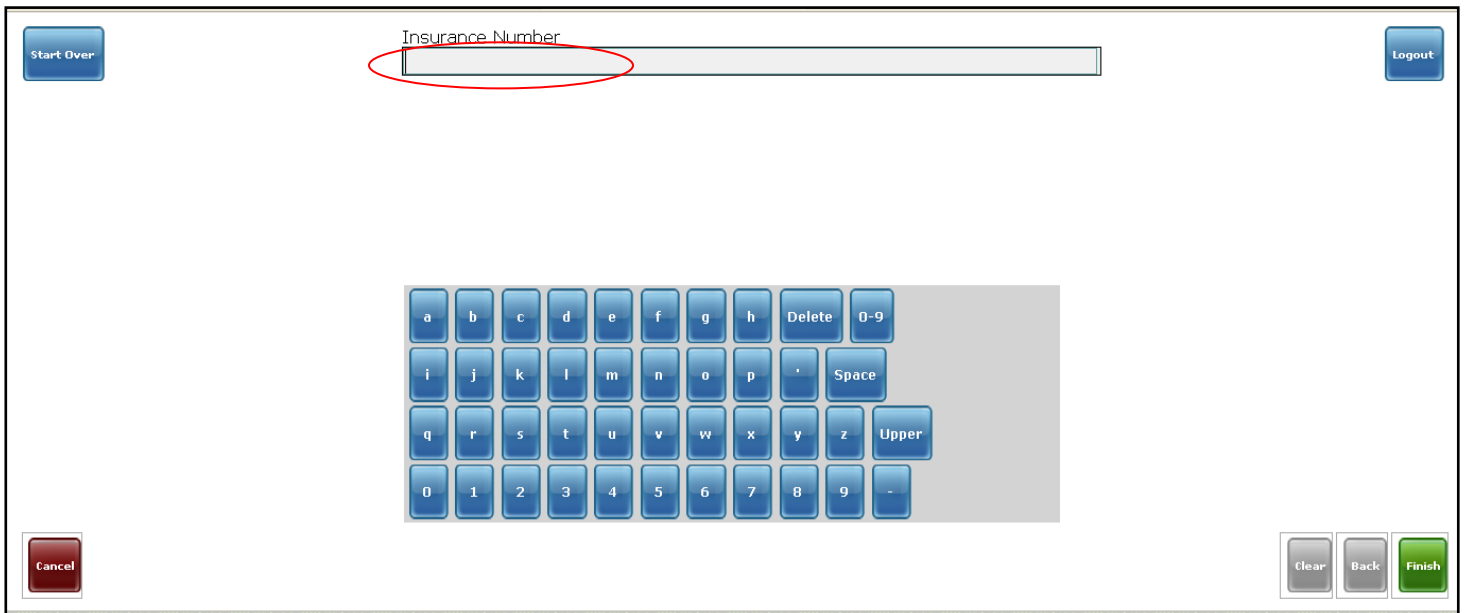
MUTUELLE
MUTUELLE
RAMA
NONE
MMI

Logout

Virtual keyboard buttons: a, b, c, d, e, f, g, h, Delete, 0-9, i, j, k, l, m, n, o, p, Space, q, r, s, t, u, v, w, x, y, z, Upper, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, -

Buttons: Cancel, Clear, Next

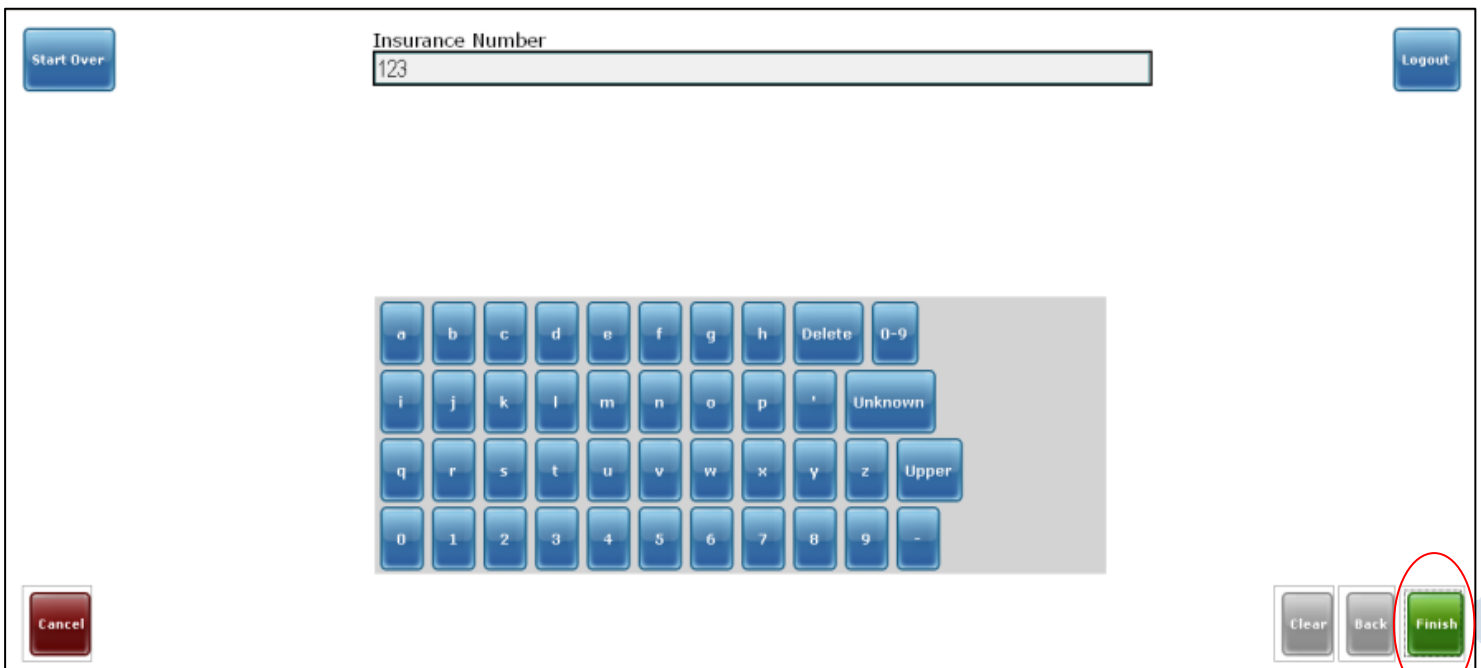
35. This is the page where , the user will fill in an insurance number from a patient’s insurance type using numbers on the screen or just from keyboard:



The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

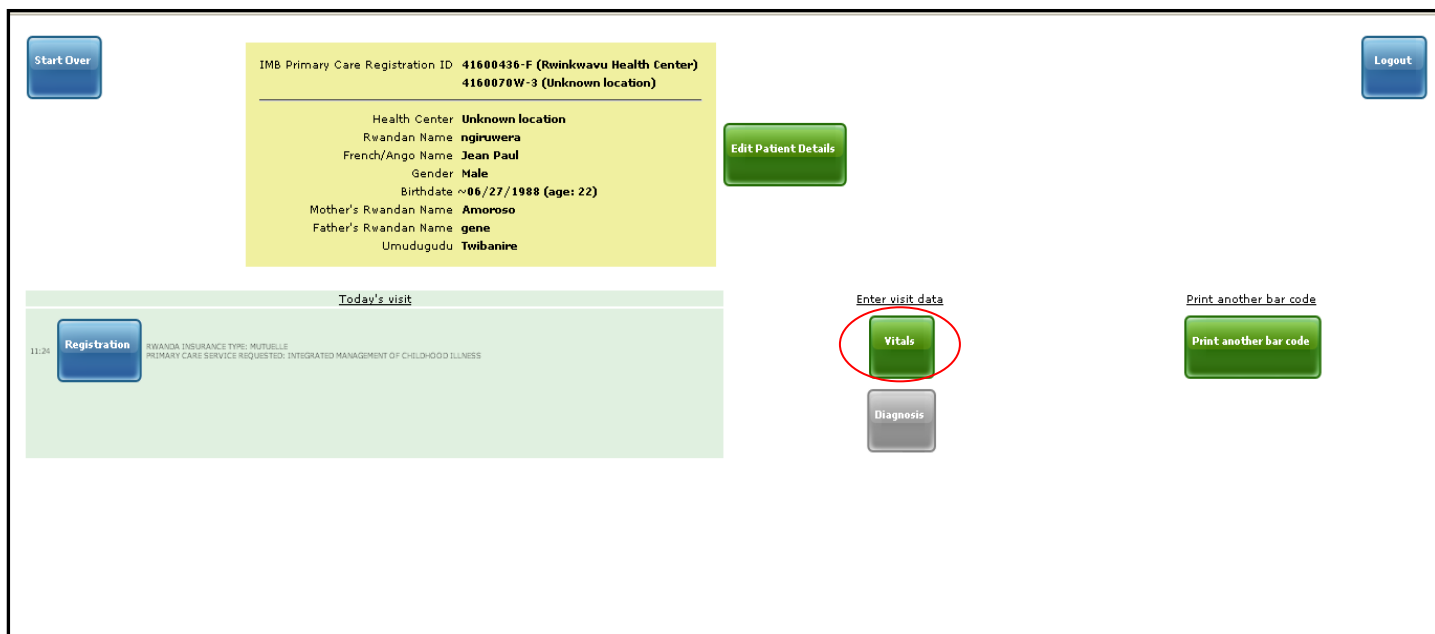
The user may use **Clear** button to remove the insurance number written, then the user will need to write numbers correctly or leave space blank no number, **Back** button to return to insurance type page.

36. After the insurance number is filled in, the user has to select **Next** button for vitals and continue with registration process:



Vitals page

37. This page consists of **vitals**, **Print barcode**, **Registration** buttons which are used consecutively from **vitals** button but **Diagnosis** button will be used later to enter diagnosis found after consultation or lab results; There is also an edit patient details button which can be used in case the user wants to edit one or more information about this patient appearing in yellowish background color:



From this page, the User may choose to use **Start over** button to return to **after login page** or choose to use **Logout** button to go to **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient



Temperature

37.1. From Vitals selection, the user is directed to the page where he/she will fill in temperature measurement, measured in Celsius degrees, user may use numbers on screen or use keyboard numbers:

The screenshot shows a web interface for entering temperature. At the top, there is a browser tab titled "Rhein - Wikipedia, the Free encyclopedia". Below it, the page title is "Temperature (Celsius)". A text input field is present, which is currently empty and circled in red. To the left of the input field is a blue "Start Over" button, and to the right is a blue "Logout" button. Below the input field is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a "Delete" button. In the bottom left corner, there is a red "Cancel" button. In the bottom right corner, there are two buttons: a grey "Clear" button and a green "Next" button.

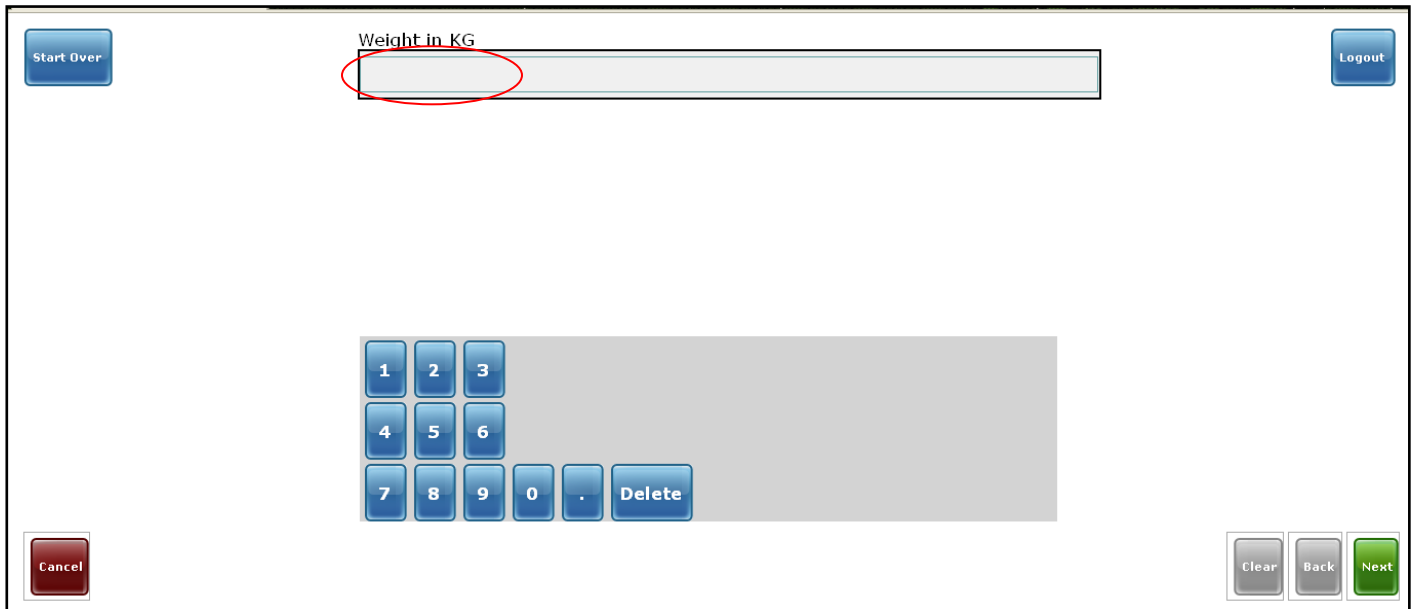
37.2. After the user has entered temperature measurements or just if he/she doesn't need to measure this to mean temperature space will remain empty. The user needs to select **Next** button to go next page:

This screenshot is identical to the previous one, but the text input field now contains the value "37.2". The "Next" button in the bottom right corner is circled in red, indicating it is the button to be selected to proceed to the next page.

Here, if the user select **Cancel** button, he/she will be directed back to after initial page for vitals, registration, diagnosis, print barcodes, which is not helpful for good registration process. If, the user selects **start over** button; he will be directed to after log in page, **Logout** button to go to initial log in page whereas **Clear** button is just for clearing written number in temperature space.

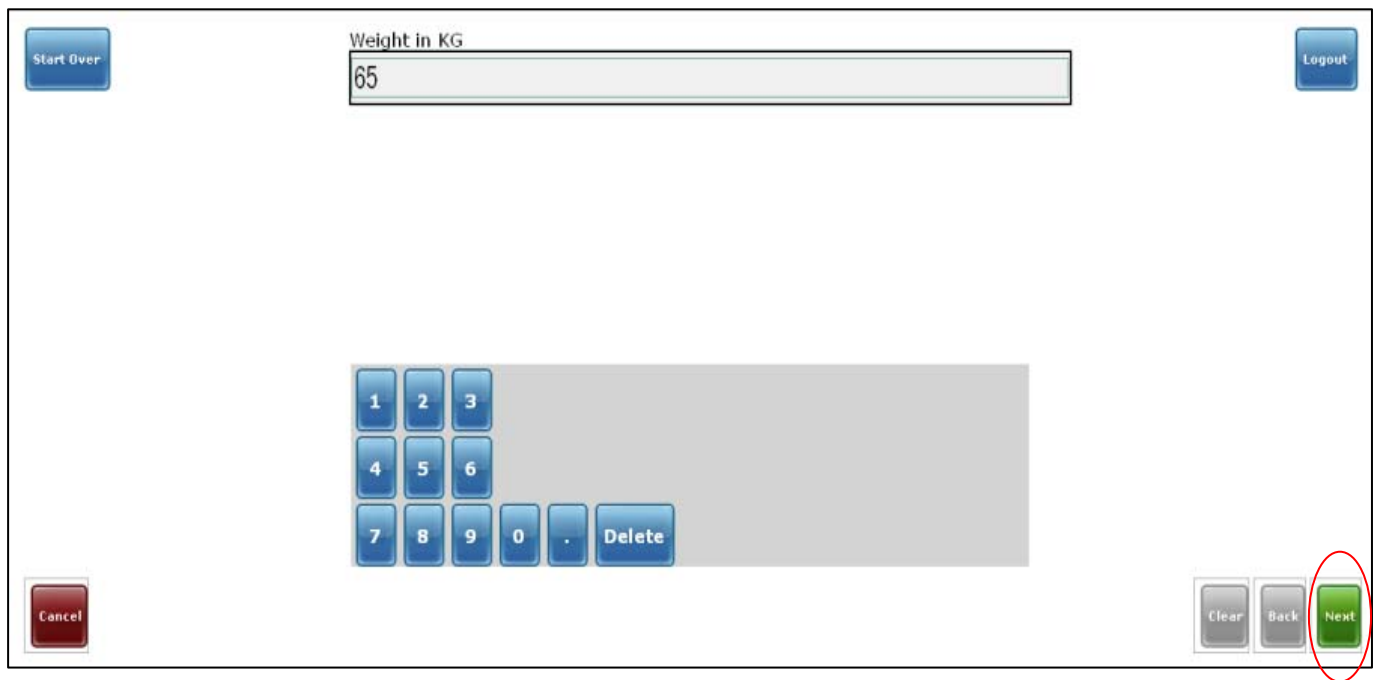
Weight

37.3. After temperature is done, the user is directed to the page where he/she will fill in weight measurement , measured in Kilograms (KG), he/she may use numbers on screen or use keyboard numbers :



The screenshot shows a user interface for entering weight. At the top left is a blue 'Start Over' button. At the top right is a blue 'Logout' button. In the center, there is a text input field labeled 'Weight in KG' which is currently empty and highlighted with a red oval. Below the input field is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a 'Delete' button. At the bottom left is a red 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Next'.

37.4. After the user has entered Weight measurements (KG). The user needs to select **Next** button to go next page:



The screenshot shows the same user interface as in 37.3, but the 'Weight in KG' input field now contains the number '65'. The numeric keypad and other buttons remain the same. The 'Next' button at the bottom right is highlighted with a red oval.

From here, if the user select **Cancel** button, he/she will directed back to after initial page for vitals, registration, diagnosis, print barcodes, which not helpful for good registration process. If, the user selects **start over** button; he will be directed to after log in page, **Logout** button to go to initial log in page whereas **Clear** button is just for clearing written number in weight space.

37.5. In case the user clicks on **Next** button before he/she enters weight measurements he cannot continue unless a value is entered. There will be a top up message saying “ you must enter a value to continue”: This is how it will look like:

The screenshot shows a user interface for entering weight measurements. At the top, there is a red error message bar that reads "You must enter a value to continue". Below this is a text input field. The main area contains a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a "Delete" button. Navigation buttons include "Start Over" (top left), "Logout" (top right), "Cancel" (bottom left), "Clear" (bottom right), "Back" (bottom right), and "Next" (bottom right).

Height

37.6. After Weight is done , the user is directed to the page where he/she will fill in Height measurement , measured in centimeters (CM), he/she may use numbers on screen or use keyboard numbers:

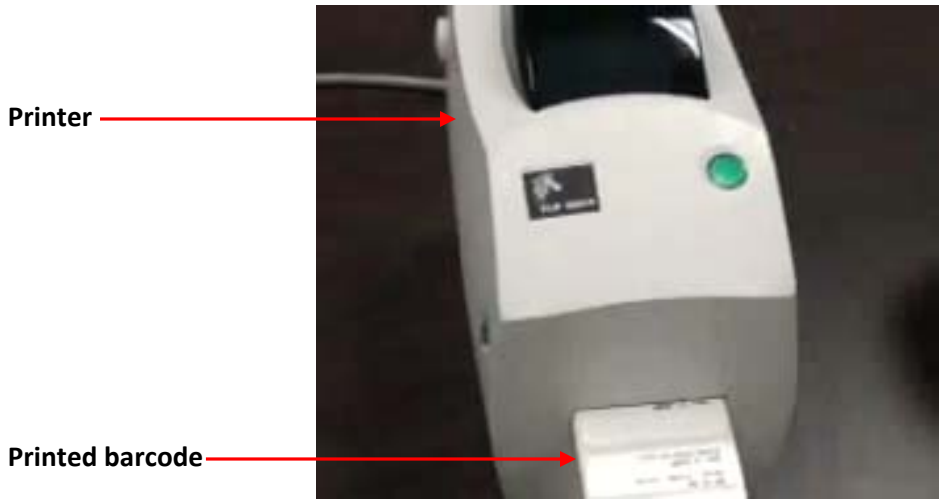
The screenshot shows a user interface for entering height measurements. At the top, there is a text input field labeled "Height in CM" which is circled in red. Below this is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a "Delete" button. Navigation buttons include "Start Over" (top left), "Logout" (top right), "Cancel" (bottom left), "Clear" (bottom right), "Back" (bottom right), and "Finish" (bottom right).

37.7. After the user has entered Height measurements (Cm) or just if he/she doesn't need to measure this to mean weight space will remain empty, The user needs to select **Finish** button to achieve vital signs registration and return to page where there are registration, print barcode, edit patient details and vitals buttons to continue registration process:

From here, if the user select **Cancel** button, he/she will directed back to after initial page for vitals, registration, diagnosis, print barcodes, which not helpful for good registration process. If, the user selects **start over** button; he will be directed to **after log in page**, **Logout** button to go to **initial log in page** whereas **Clear** button is just for clearing written number in height space.

38. After choosing the **Finish** button the user comes like back on the page below to print barcode and register all the information recorded :

38.3. After clicking on Ok the printer takes printing action seeming as follow then the user



Registration

39. After barcode print, it means recording is at the end, the user has to keep all information recorded using **Registration** button:

Start Over

Logout

Primary Care 4160007K-U (Rwinkwavu Health Center)
41600089-A (Gahara Health Center)
4160008K-P (Unknown location)

Health Center **Rwinkwavu Health Center**
Rwandan Name **TEST**
French/Ango Name **Test**
Gender **Male**
Birthdate **~04/04/1977 (age: 33)**
Mother's Rwandan Name
Father's Rwandan Name
Umudugudu

Edit Patient Details

Today's visit

10:51 **Registration** PRIMARY CARE SERVICE REQUESTED: INTEGRATED MANAGEMENT OF ADULT ILLNESS SERVICE

10:57 **Vitals** TEMPERATURE (C): 37,0
BODY MASS INDEX, MEASURED: 21,2
WEIGHT (KG): 55,0
HEIGHT (CM): 175,0

Enter visit data

Print another bar code

Vitals

Print another bar code

Diagnosis

From this page, the User may choose to use **Start over** button to return to **after login page** or choose to use **Logout** button to go to initial **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

40. After registering (click on **Registration** button) the following is the interface coming to show you that you have saved the patient's information of today.

The screenshot shows a web interface for patient registration. At the top left, there is a blue button labeled "Start Over". To its right, a grey box displays the patient's name and location: "KAYITESI Sauda - 27yo F (Rwinkwavu Health Center) - Kiyovu". At the top right, there is a blue button labeled "Logout". Below these elements, the text reads: "Registration Encounter on 12/08/2010 at Rwinkwavu Health Center by Super User". A section titled "Observations" contains the following information: "Insurance Type: RAMA", "insurance number: 123", and "PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM". At the bottom left of the main content area, there is a grey button labeled "Back".

40.1. The user may use **Back** button to return to previous page where there are registration, print barcode, Edit patient details and vitals buttons , in case for example he/she has forgotten to print barcode and print them now:

This screenshot is identical to the one above, showing the patient registration interface for KAYITESI Sauda. The "Back" button at the bottom left is circled in red, indicating its function as described in the text.

From this page, the User may choose to use **Start over** button to return to **after login page** or choose to use **Logout** button to go to initial log in page. Note that whatever is done now, the information from this patient is registered into the system and it will be found next time as long as it is needed.

40.2. This is a page which comes up in case user decides to use **Back** button :

The screenshot displays a patient's record in a web-based EMR system. At the top left is a blue 'Start Over' button, and at the top right is a blue 'Logout' button. The central area features a yellow box containing patient details: Primary Care (4160007K-U (Rwinkwavu Health Center), 41600089-A (Gahara Health Center), 4160008K-P (Unknown location)), Health Center (Rwinkwavu Health Center), Rwandan Name (TEST), French/Ango Name (Test), Gender (Male), Birthdate (~04/04/1977 (age: 33)), Mother's Rwandan Name, and Father's Rwandan Name (Umutugudu). To the right of this box is a green 'Edit Patient Details' button. Below the patient details is a green box titled 'Today's visit' with a timeline: 10:51 Registration (PRIMARY CARE SERVICE REQUESTED: INTEGRATED MANAGEMENT OF ADULT ILLNESS SERVICE) and 10:57 Vitals (TEMPERATURE (C): 37.0, BODY MASS INDEX, MEASURED: 21.2, WEIGHT (KG): 65.0, HEIGHT (CM): 175.0). To the right of the visit box is a grey 'Diagnosis' button. Further right are two green buttons: 'Enter visit data' (containing a 'Vitals' button) and 'Print another bar code' (containing a 'Print another bar code' button).

40.3. The user may decide to use **Logout** button; this time he/she will be sign out of the PHC system , this is to mean he/she will be directed to **initial log in page** and in case he/she wants to continue registration process, he/she will need to sign in again to be able to use the system:

The screenshot shows a registration encounter page. At the top left is a blue 'Start Over' button. The patient name is displayed in a grey box: KAYITESI Sauda - 27yo F (Rwinkwavu Health Center) - Kiyovu. At the top right, a blue 'Logout' button is circled in red. Below the patient name, the text reads: 'Registration Encounter on 12/08/2010 at Rwinkwavu Health Center by Super User'. Under the heading 'Observations', the following information is shown: Insurance Type: RAMA, Insurance number: 123, and PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM. At the bottom left, there is a grey 'Back' button.



40.4. This is the **initial log in page** with username blank which comes up after the use has chosen to use Logout button:

Username

a b c d e f g h Delete 0-9

i j k l m n o p . Space

q r s t u v w x y z Upper

0 1 2 3 4 5 6 7 8 9 -

Cancel Clear Next

Start over

40.5. Once the user is done with saving one patient's information and he/she is still continuing with registration for other patients Always he/she needs to choose **Start over** button to go to the **after log in page** without signing in again and start registering another patient:

Start Over KAYITESI Sauda - 27yo F (Rwinkwavu Health Center) - Kiyovu Logout

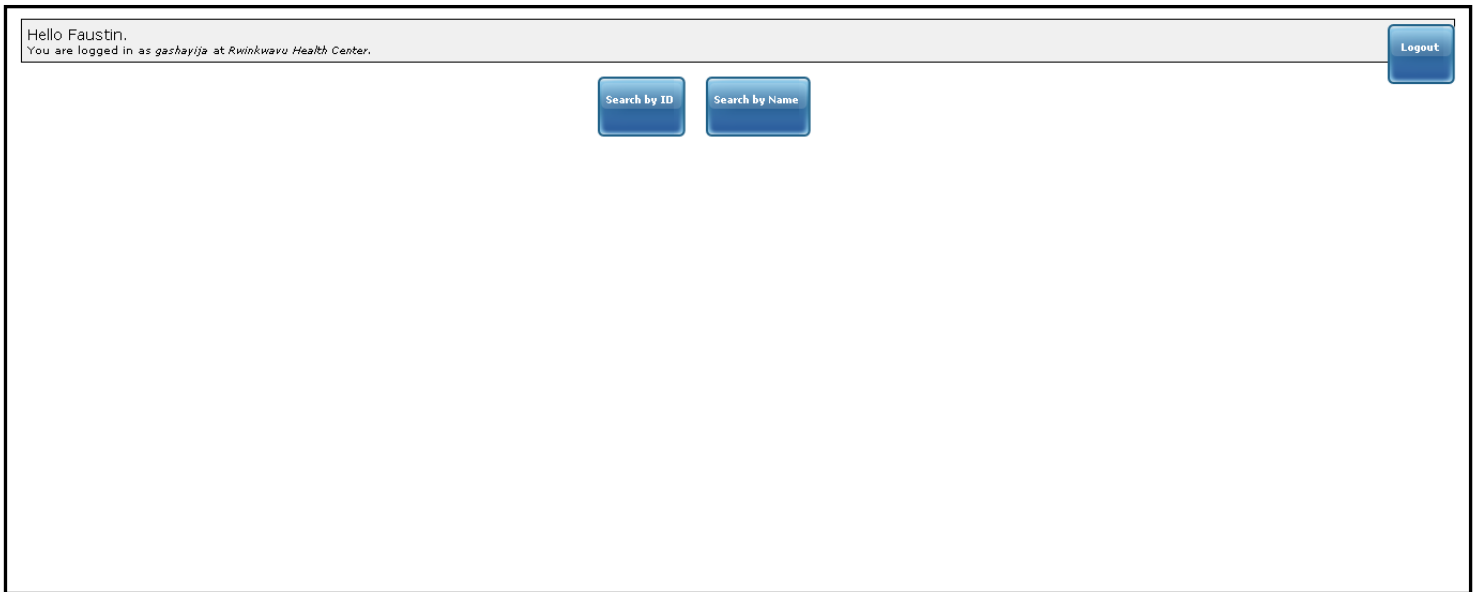
Registration Encounter on 12/08/2010 at Rwinkwavu Health Center by Super User

Observations

Insurance Type: RAMA
insurance number: 123
PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM

Back

40.6. This is the interface after choosing **Start over** button, then start registering another patient whether by ID number (**search by ID**) if it's available or by name (**Search by name**) depending on the patient has an ID number or he/she doesn't to be registered today :



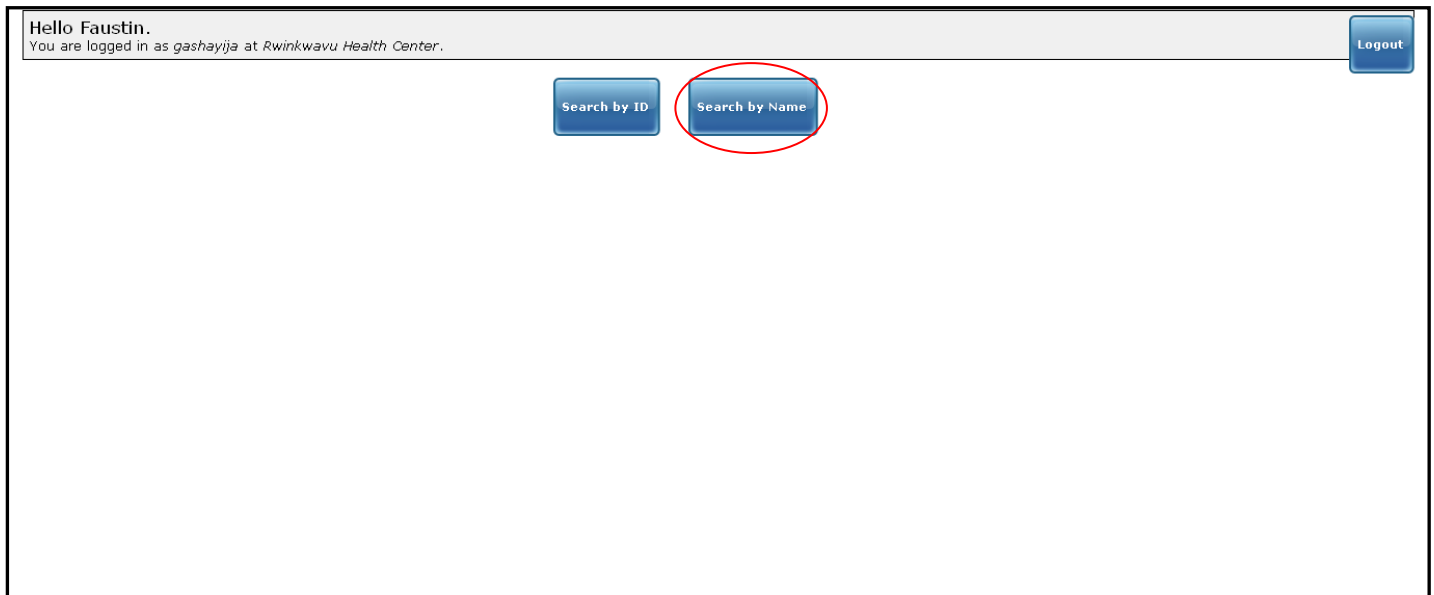
The following section of registration is a bit different from the first one where we started by **search by ID** button but after a few steps of registration the process becomes the same up to the end of registration.

It consists of registering patient using **Search by name** button, instead of **Search by ID** button

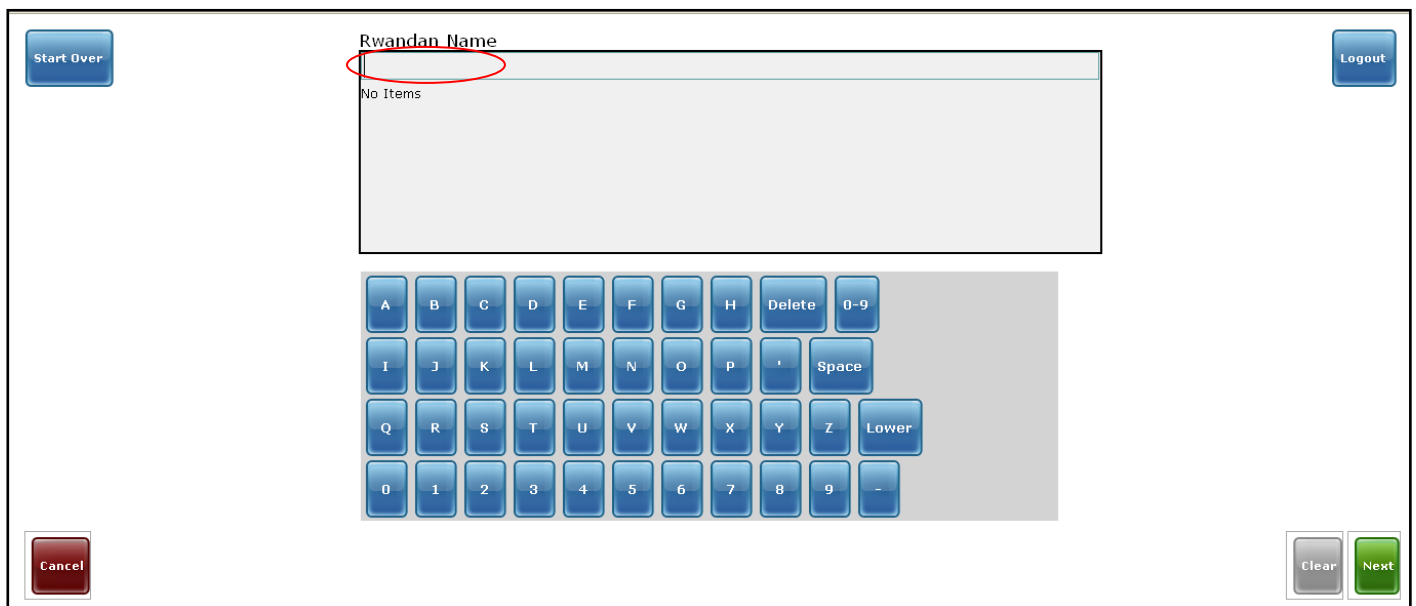
This is especially for patient who didn't be registered before and he/she doesn't have an ID number or just this patient has been registered before but he/she doesn't come with his/her ID number now:



41. The user will Search by name by clicking on *Search by name* button, when the patient doesn't have an ID number to use by **Search by ID** button. It means that the patient is new or just he/she has forgotten the carnet where the user may find barcode preprinted to check for the ID number in use:



42. In the following space the user has to fill in only **Rwandan name** in space provided:



The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient

The user may use **Clear** button to remove the name written at once whenever it is needed.

43. As the user is typing the **Rwandan name** of a patient, the names with the same letters appear in drop down list where he/she can choose one name instead of writing the whole name, then he select **Next** button to go to next page :

The screenshot shows a web interface for entering a Rwandan name. At the top left is a 'Start Over' button. The main input area is titled 'Rwandan Name' and contains the text 'ngabonz'. Below the input field is a dropdown menu with the text '4 item(s)' and four suggestions: 'NGABONZIZA', 'NGABONZIMA', 'MUKANGABONZIMA', and 'MUKANGABONZIZA'. Below the dropdown is a virtual keyboard with buttons for letters A-Z, numbers 0-9, and special keys like 'Delete', 'D-9', 'Space', and 'Lower'. At the bottom left is a 'Cancel' button. At the bottom right are 'Clear' and 'Next' buttons, with the 'Next' button circled in red. A 'Logout' button is in the top right corner.

44. After the user has entered Rwandan name of patient and click on Next button, the following page comes up where the user is intended to fill in patient's **Christian name** or second name in the space provided below:

The screenshot shows a web interface for entering a French/Ango name. At the top left is a 'Start Over' button. The main input area is titled 'French/Ango Name' and is currently empty. Below the input field is a virtual keyboard with buttons for lowercase letters a-z, numbers 0-9, and special keys like 'Delete', 'D-9', 'Space', and 'Upper'. At the bottom left is a 'Cancel' button. At the bottom right are 'Clear', 'Back', and 'Next' buttons, with the 'Next' button highlighted in green. A 'Logout' button is in the top right corner.

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

The user may use **Clear** button to remove the name written at once, **back** button to return to Rwandan name page whenever it is needed:

45. As the user is entering the **Christian name** of a patient, the names with the same letters appear in drop down list where he/she can choose one name instead of writing the whole name, then he select **Next** button to go to next page :

The screenshot shows a software interface for entering a patient's name. At the top left is a 'Start Over' button. The main area is titled 'French/Ango Name' and contains a search dropdown menu. The dropdown shows '4 item(s)' and lists 'Gilbert', 'Gildas', 'Agiladens', and 'Virgile', with 'Gilbert' selected. Below the dropdown is a virtual keyboard with buttons for letters a-z, numbers 0-9, 'Delete', '0-9', 'Space', and 'Upper'. At the bottom left is a 'Cancel' button. At the bottom right are 'Clear', 'Back', and 'Next' buttons, with 'Next' circled in red.

46. This following page allows user to select the gender for the patient then, click Next button to go the following page:

The screenshot shows a software interface for selecting a patient's gender. At the top left is a 'Start Over' button. The main area is titled 'Gender' and contains a dropdown menu with 'Male' selected. At the bottom left is a 'Cancel' button. At the bottom right are 'Clear', 'Back', and 'Next' buttons, with 'Next' circled in red.

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

If the user uses **Clear** button he/she removes the gender selected in toolbar, then the user will need to select again appropriate gender, **Back** button to return to Christian name page

47. This is the space provided where to enter the patient's age; the user may use screen numbers or keyboard numbers:

The screenshot shows a user interface for entering patient information. At the top left is a blue 'Start Over' button. At the top right is a blue 'Logout' button. In the center, there is a text input field labeled 'Age' with a red oval around it. Below the input field is a numeric keypad with buttons for digits 1-9, 0, and a 'Delete' button. At the bottom left is a red 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Next'.

48. If the user tries to go to next page by clicking on **Next** button without entering Age in space provided, nothing goes, it simply gives a pop up message saying he/she must enter a value to continue:

The screenshot shows the same user interface as in the previous image, but with an error message. A red banner at the top of the input field area contains the text 'You must enter a value to continue'. The 'Next' button at the bottom right is highlighted with a red oval.

The User may choose to use **Start over** or **Cancel** button to return to after login page or choose **Logout** button to go to initial log in page in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

If the user uses **Clear** button he/she removes the age written then the user will need to write again appropriate age, or uses **Back** button to return to the Gender page.

49. After the user has entered age in its space, he will need to select **Next** button to continue registration process:

The screenshot shows a registration form with the following elements:

- Start Over** button (top left)
- Age** label above a text input field containing **27**.
- Logout** button (top right)
- A numeric keypad with buttons for **1, 2, 3, 4, 5, 6, 7, 8, 9, 0, Delete**.
- Cancel** button (bottom left)
- Clear**, **Back**, and **Next** buttons (bottom right). The **Next** button is circled in red.

50. This is the space provided below where to Write umudugudu from which a patient comes from, the user may use letters on the screen or keyboard letters :

The screenshot shows the registration form with the following elements:

- Start Over** button (top left)
- Umudugudu** label above a text input field containing **Umudugudu**.
- Logout** button (top right)
- A text area below the input field containing **No Items**.
- A full alphanumeric keypad with buttons for **a-z, 0-9, Delete, Space, Upper**.
- Cancel** button (bottom left)
- Clear**, **Back**, and **Finish** buttons (bottom right). The **Finish** button is circled in red.

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

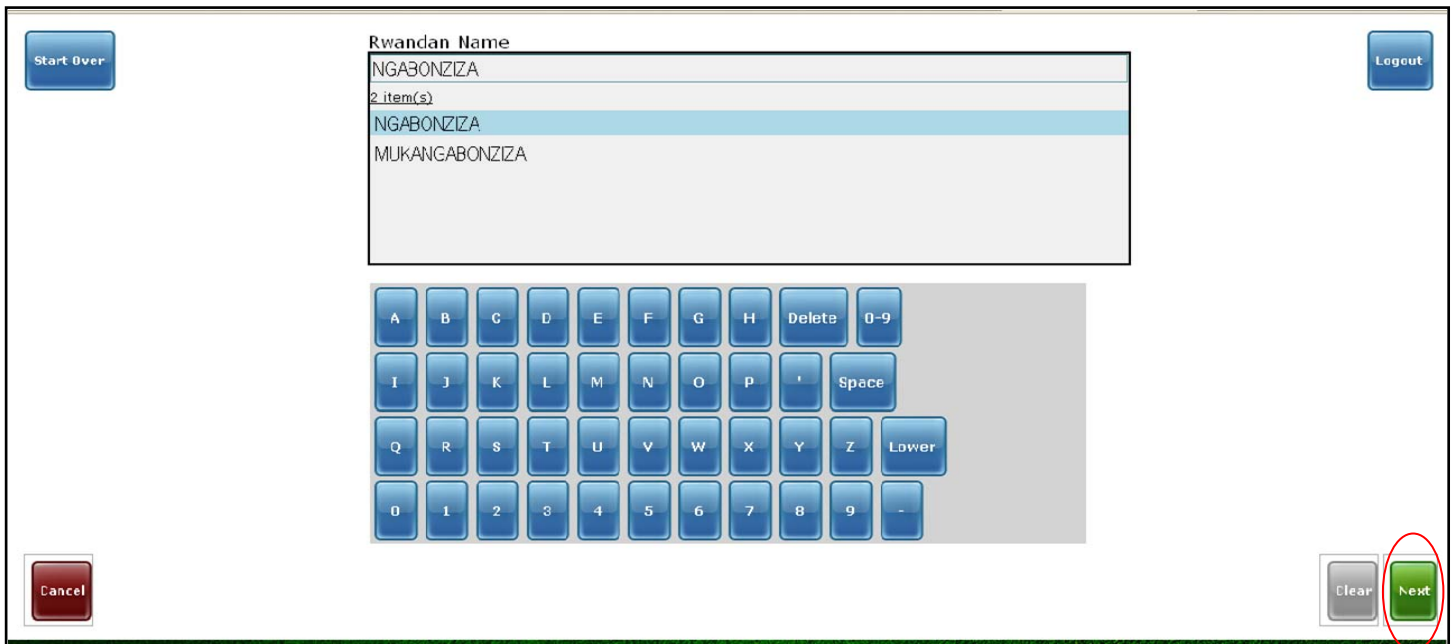
The user may use **Clear** button to remove the umudugudu entered if indicated and **Back** button to return to age page.

51. Here is the interface coming up If no patient found into the system similar to whom the user has entered there will come the following page and he/she will need to click on **Not found create new patient:**button to proceed with creation and registration of this new patient:



The User may choose to use **Start over** to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient:

52. Confirm the registration of patient's Rwandan name by clicking on **Next** button in the right corner below:



53. The user needs to do Confirmation of patient's Christian name registration by clicking on **Next** button:

The screenshot shows a software interface for name registration. At the top left is a 'Start Over' button. The main area is titled 'French/Ango Name' and contains a text input field with 'Gilbert' entered. Below the input field is a list box showing '1 item(s)' and 'Gilbert' as a suggestion. A full QWERTY keyboard is displayed below the list. At the bottom left is a 'Cancel' button. At the bottom right are 'Clear', 'Back', and 'Next' buttons. The 'Next' button is circled in red.

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

If the user uses **Clear** button he/she removes the name to register, **Back** button to return to Rwandan name page

54. This is the space where the user may enter the date of birth for this patient but if not known, he/she may leave blank to let the system uses automated date and month with the age entered before then continue with Next button:

The screenshot shows a software interface for entering the birth date. At the top left is a 'Start Over' button. The main area is titled 'Birthdate Day (or leave blank to use age 27)' and contains a text input field. Below the input field is a numeric keypad with buttons for digits 1-9, 0, and a 'Delete' button. At the bottom left is a 'Cancel' button. At the bottom right are 'Clear', 'Back', and 'Next' buttons. The input field is circled in red.

54.1. After a date of Birth is entered, the user will click on **Next** button to continue to the next step of registration:

The screenshot shows a web form titled "Birthdate Day (or leave blank to use age 23)". The input field contains the number "5". A numeric keypad is visible below the input field, with buttons for digits 1-9, 0, and a "Delete" button. The interface includes a "Start Over" button in the top left, a "Logout" button in the top right, a "Cancel" button in the bottom left, and "Clear", "Back", and "Next" buttons in the bottom right. The "Next" button is highlighted with a red circle.

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

The user may use **Clear** button to remove the birthday date entered and **Back** button to return to the patient's Christian name page.

55. This is the space where the user may **enter the Month of birth** for this patient but if not known, he/she may leave blank to let the system uses automated date and month with the age entered before then continue with Next button:

The screenshot shows a web form titled "Birthdate Month (or leave blank to use age 23)". The input field is empty and circled in red. A numeric keypad is visible below the input field, with buttons for digits 1-9, 0, and a "Delete" button. The interface includes a "Start Over" button in the top left, a "Logout" button in the top right, a "Cancel" button in the bottom left, and "Clear", "Back", and "Next" buttons in the bottom right.

55.1. After a month of Birth is entered, the user will click on **Next** to continue to the next step of registration:

Birthdate Month (or leave blank to use age 27)

1

1 2 3
4 5 6
7 8 9 0 Delete

Start Over Logout Cancel Clear Back Next

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

The user may use **Clear** button to remove the birth date month entered, then the user will need to write numbers correctly or leave space blank with no number, **Back** button to return to the page of birth date day

56. This is the space where the user may **enter the Year of birth** for this patient but if not known, he/she may leave blank to let the system uses automated date and month with the age entered before then continue with Next button:

Birthdate Year (or leave blank to use age 23)

Clear Back Next

Start Over Logout Cancel Clear Back Next

56.1. After a date of Birth is entered, the user will click on **Next** to continue to the next step of registration:

The screenshot shows a registration form for birthdate. At the top left is a 'Start Over' button. The main field is labeled 'Birthdate Year (or leave blank to use age 27)' and contains the text '1983'. To the right of this field is a 'Logout' button. Below the field is a numeric keypad with buttons for digits 1-9, 0, and a 'Delete' button. At the bottom left is a 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Next'. The 'Next' button is highlighted with a red circle.

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

The user may use **Clear** button to remove the year of birth written, then the user will need to write numbers correctly or leave space blank no number, **Back** button to return to the page of birth date month:

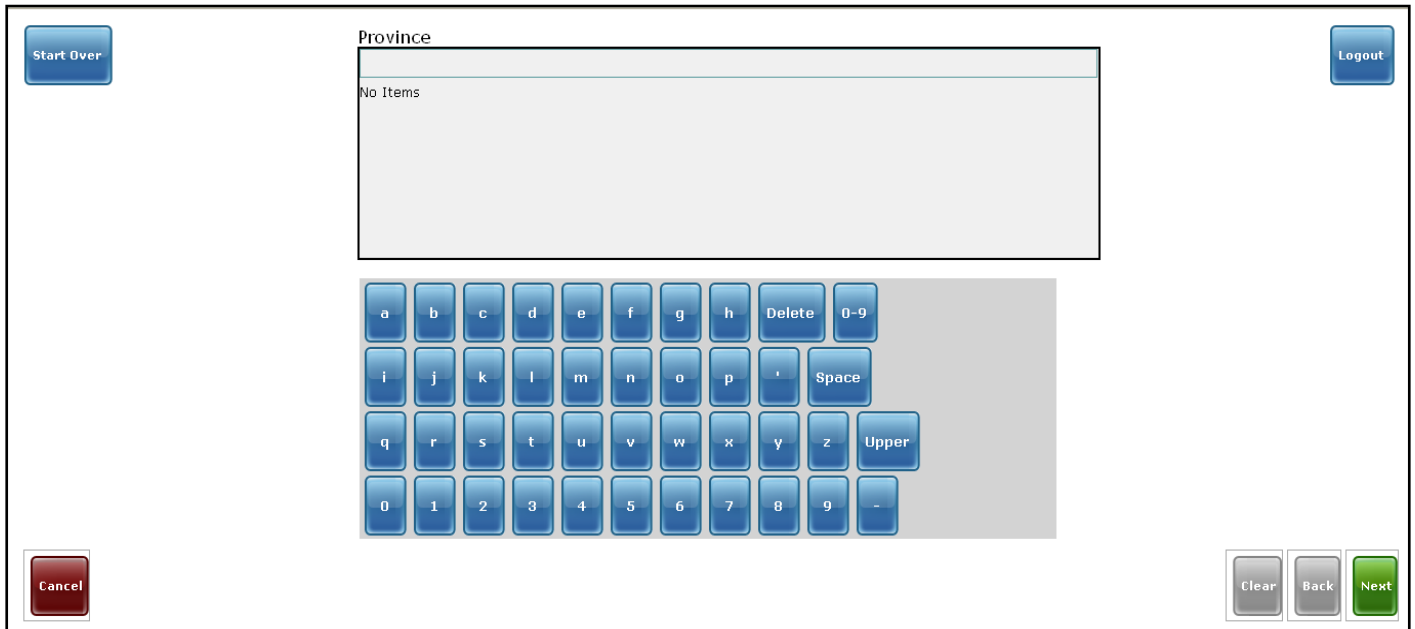
Entering patient's Address

57. This page consists of beginning of address registration, the user has to **select Rwanda** as a country in which a patient is coming from then, click **Next** to register Rwanda as a country:

! Remember not to go to Next button before you select an address in the addresses list, if you do so you end will up by missing a list of addresses on next steps; let's start by not selecting Rwanda and go to Next button:

The screenshot shows the address registration form. At the top left is a 'Start Over' button. The main field is labeled 'Country' and has a dropdown menu open showing '1 Item(s)' with 'Rwanda' selected. To the right of this field is a 'Logout' button. Below the field is a full alphanumeric keypad with buttons for letters a-z, numbers 0-9, a 'Delete' button, a 'Space' button, and an 'Upper' button. At the bottom left is a 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Next'. The 'Next' button is highlighted with a red circle.

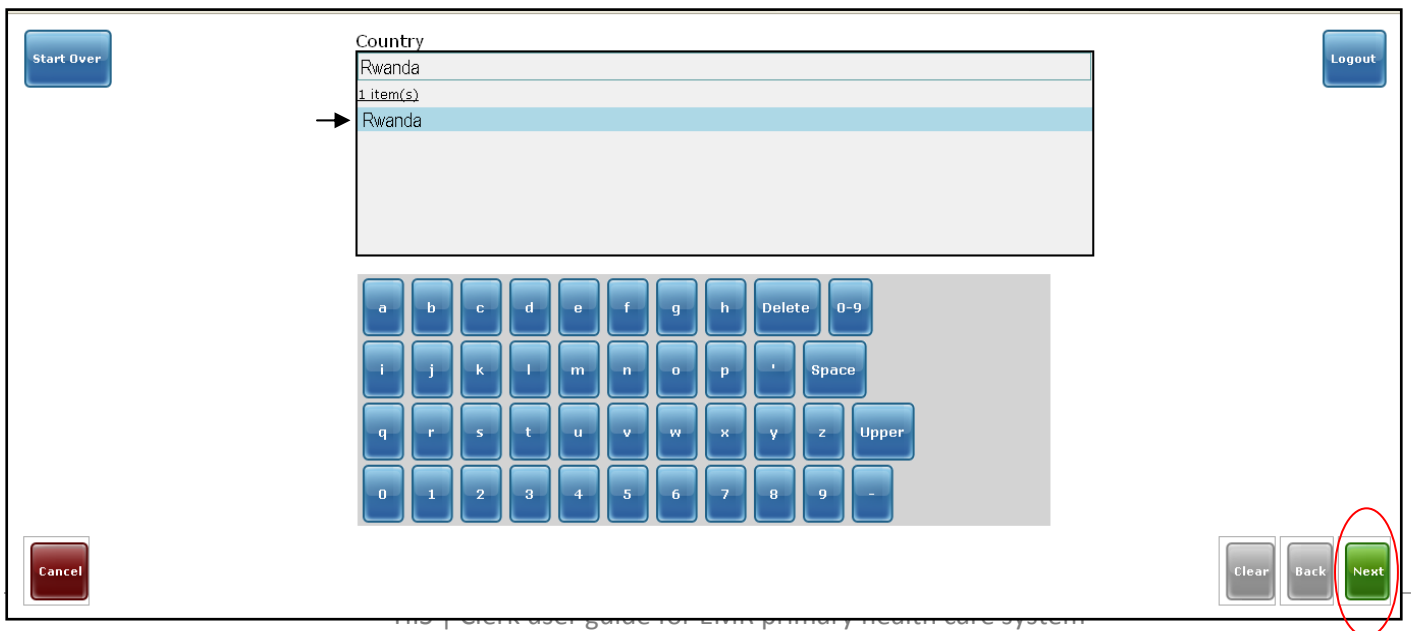
57.1. If the user continues registration (clicking on Next button) without selecting first a country, he/she is directed to next step of address chronologically but he/she can't see the dropdown list of provinces, districts, etc. As it is shown on below step:



The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

The user may use **Clear** button to remove the province entered, then the user will need to write correctly or choose from the list, **Back** button to return to page of year of birth:

57.2. But if the user has selected the address first (country), and click **Next** button to continue with registration process, he/she will be directed to the next step correctly and sees the dropdown list of provinces, districts, etc where he/she has to choose the suitable one for the patient :



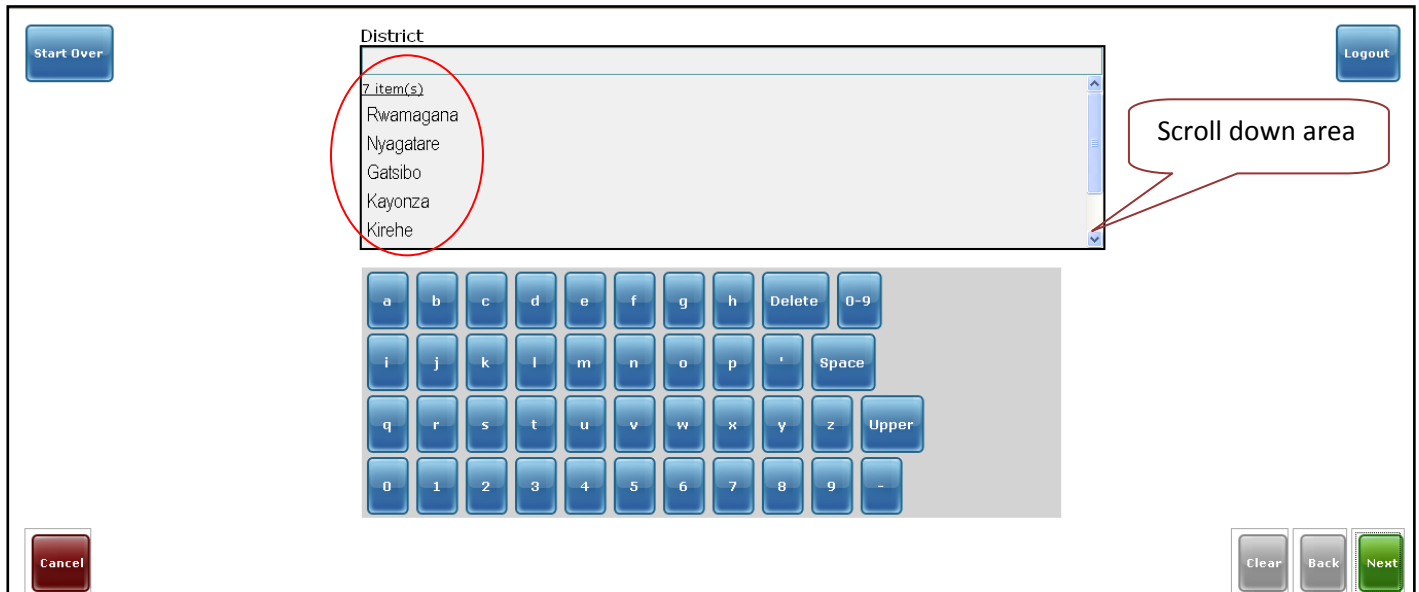
57.3. The page below show the drop down list from which, the user has to select appropriate province for the patient to register:

The screenshot shows a registration form with a 'Province' dropdown menu. The menu is open, displaying a list of provinces: Kigali, Southern/Amajepfo, Western/Uburengerazuba, Northern/Amajyaruguru, and Eastern/Uburasirazuba. The 'Eastern/Uburasirazuba' option is highlighted with a red circle. Below the dropdown is a virtual keyboard with buttons for letters a-z, numbers 0-9, and special keys like Delete, Space, and Upper. The form also includes a 'Start Over' button in the top left, a 'Logout' button in the top right, a 'Cancel' button in the bottom left, and 'Clear', 'Back', and 'Next' buttons in the bottom right.

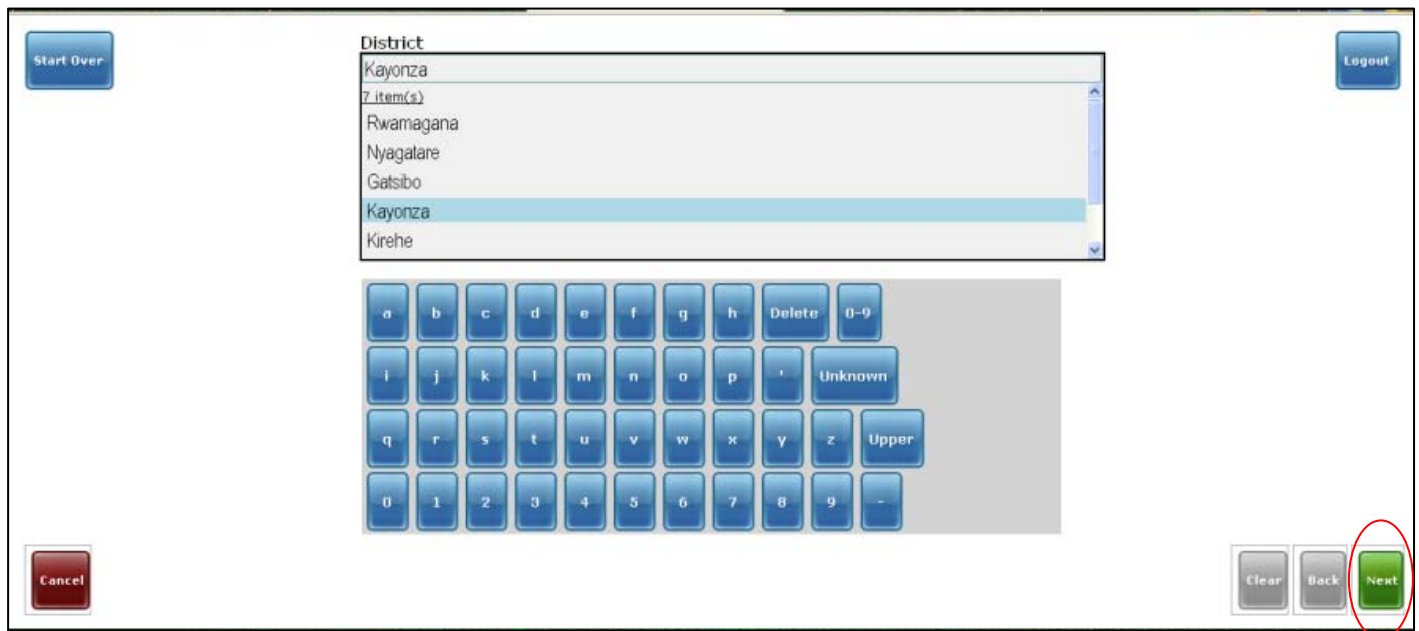
57.4. After the user has selected the highlighted province, he/she will continue to the next step by clicking on **Next** button :

The screenshot shows the same registration form as in 57.3, but now 'Eastern/Uburasirazuba' is selected in the dropdown menu. The 'Next' button in the bottom right corner is highlighted with a red circle, indicating the user's next action. The other elements of the form, including the keyboard and navigation buttons, remain the same.

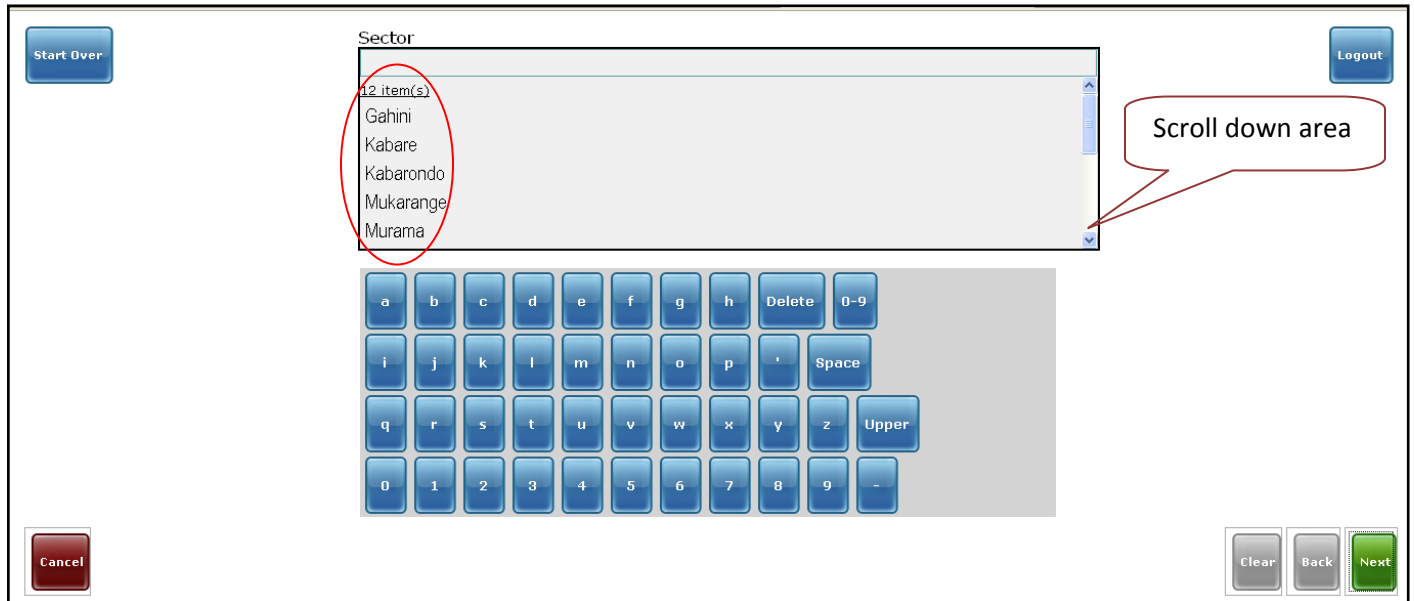
58. After province registration is done, here is the list of districts from which the user has to select one. If the list is showing the district of this patient then, scroll down to find other districts if the one you want is not seen :



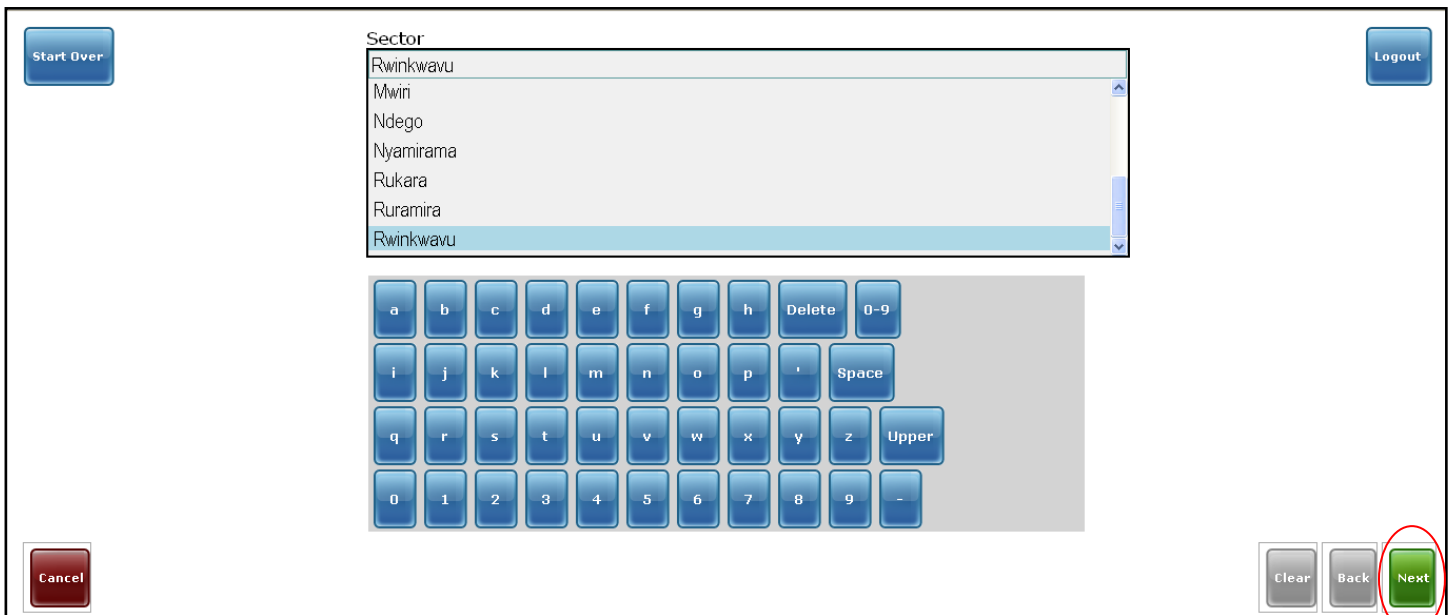
58.1. After the user has selected the district, he/she needs to register it by clicking on **Next** button to continue registration process:



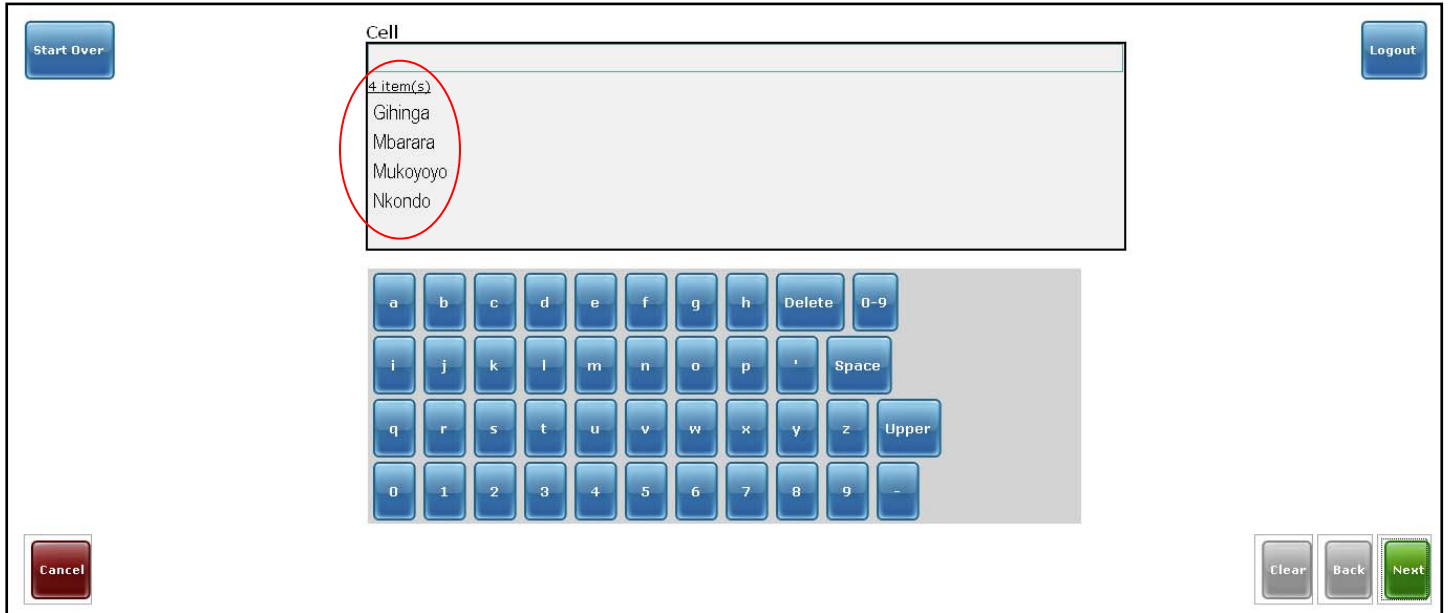
59. After district registration is done, here is the list of sectors from which the user has to select one. If the list doesn't show the sector of this patient then, scroll down to find other sectors and choose the needed one :



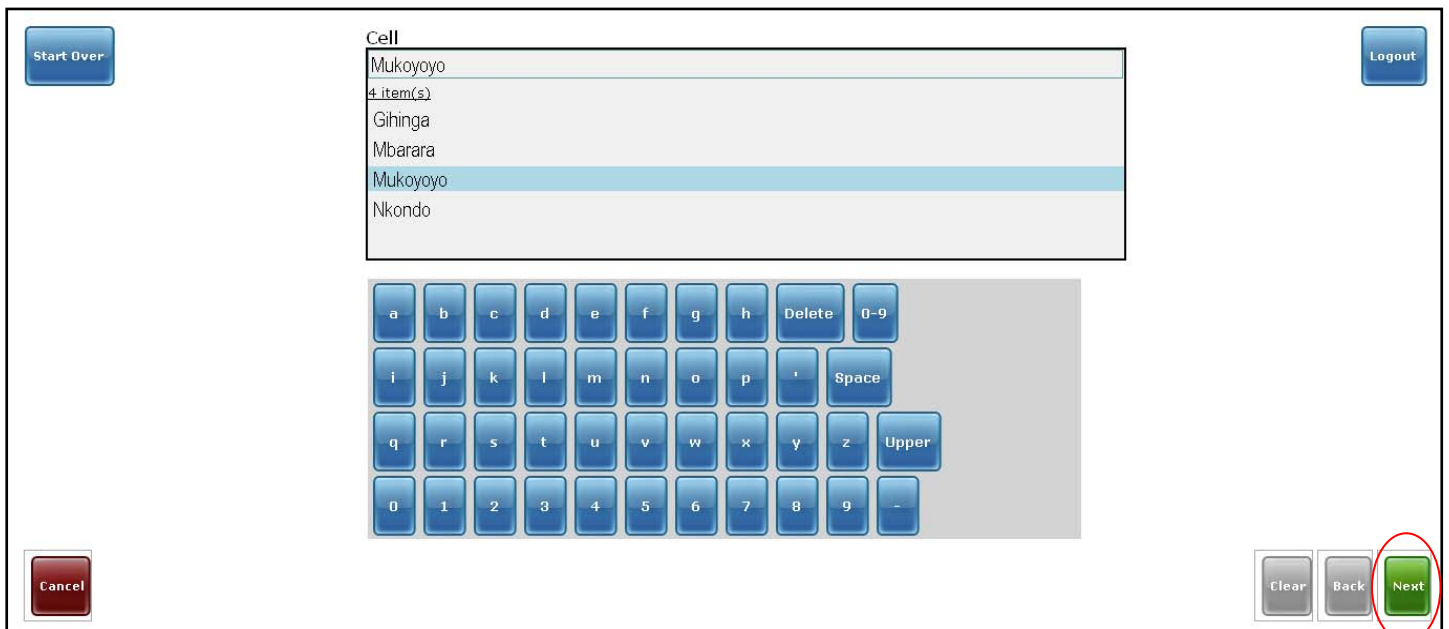
59.1. After the user has selected the sector, he/she needs to register it by clicking on **Next** button to continue registration process:



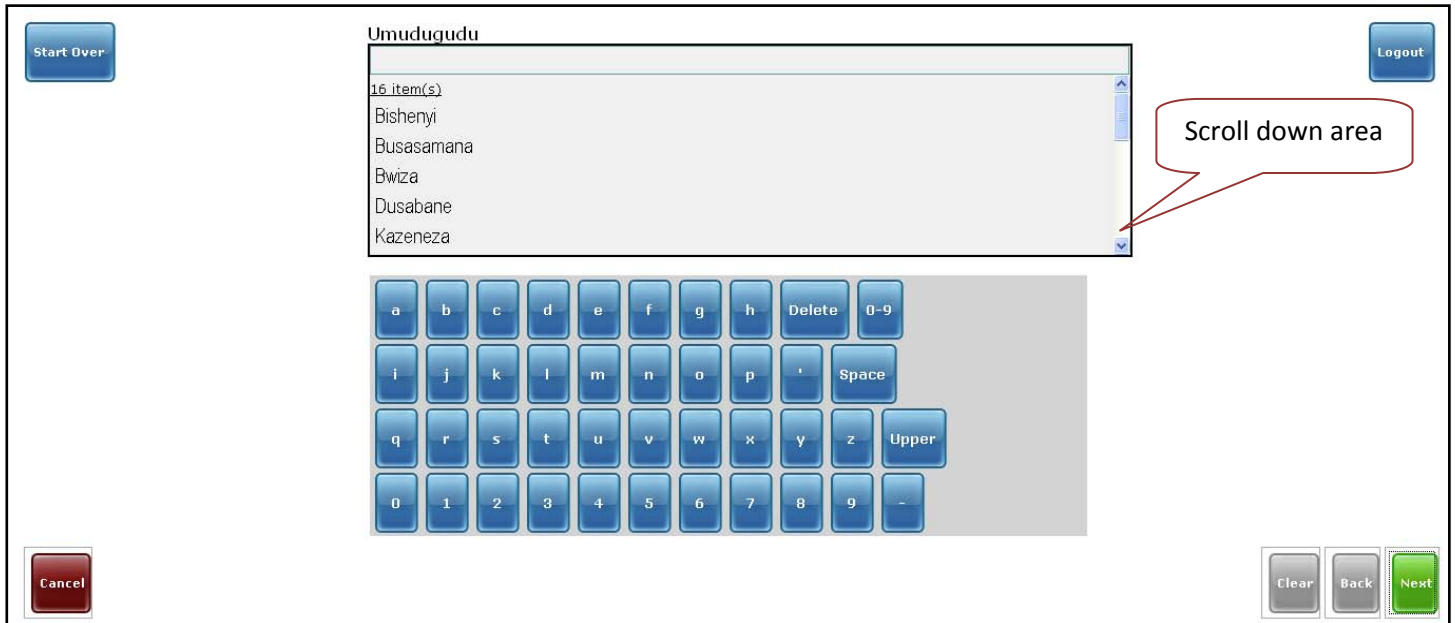
60. After sector registration is done, here is **the list of Cells** from which the user has to select one. If the list doesn't show the Cell of this patient then, scroll down to find other Cells :



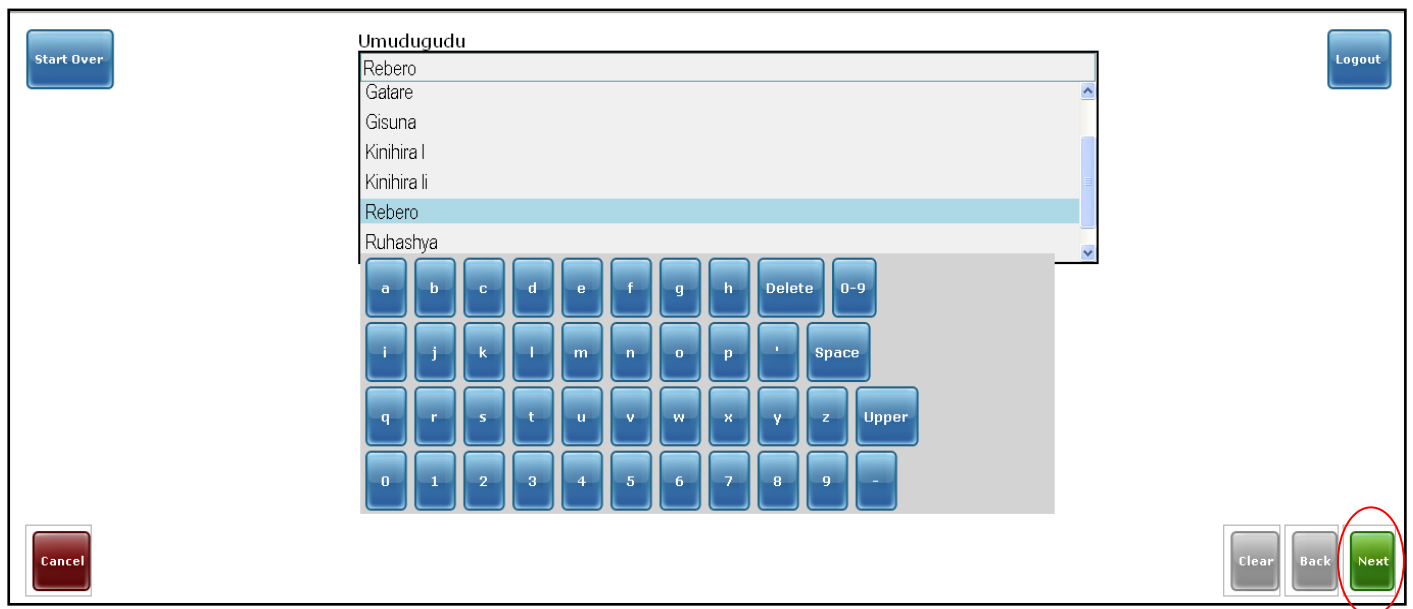
60.1. After the user has selected the Cell, he/she needs to register it by clicking on **Next** button to continue registration process:



61. After Cell registration is done, here is **the list of Umudugudu** from which the user has to select one. If the list doesn't show the umudugudu of this patient then, scroll down to find other umudugudu :



61.1. After the user has selected the Umudugudu, he/she needs to register all address information entered by clicking on **Finish** button to continue to the next step of registration process:



Patient's parents entry

62. This page consists of the space reserved for **patient's Mother's name** which is Rwandan name. In this space the user has to write the Rwandan name and as he is typing the letters of this name, other names similar that of the patient's mother come up then, he/she may choose among the list names, the name of Mother:

The screenshot shows a web interface for entering a mother's name. At the top left is a blue 'Start Over' button. At the top right is a blue 'Logout' button. The main title 'Mother's Rwandan Name' is circled in red. Below the title is a text input field that currently displays 'No Items'. Underneath the input field is a virtual keyboard with buttons for letters a-z, numbers 0-9, and special keys like 'Delete', 'Space', and 'Upper'. At the bottom left is a red 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Next'.

- 62.1. After the user has entered or chosen the Mother's name from the list, it is the time to choose **Next** button to go on the next step of registration:

This screenshot shows the same interface as the previous one, but now the input field contains the text 'MUREBWAYIRE'. Below the input field, a list of suggestions is displayed: 'MUREBWAYIRE', 'NZAMUREBA', and 'NZAMUREBE'. The 'Next' button at the bottom right is circled in red. The 'Cancel' button at the bottom left is also visible.

63. This page consists of the space reserved for **patient's Father's name** which is Rwandan name. In this space the user has to write the Rwandan name and as he is typing the letters of this name, other names similar that of the patient's Father come up then, he/she may choose among the list names, the name of Father:

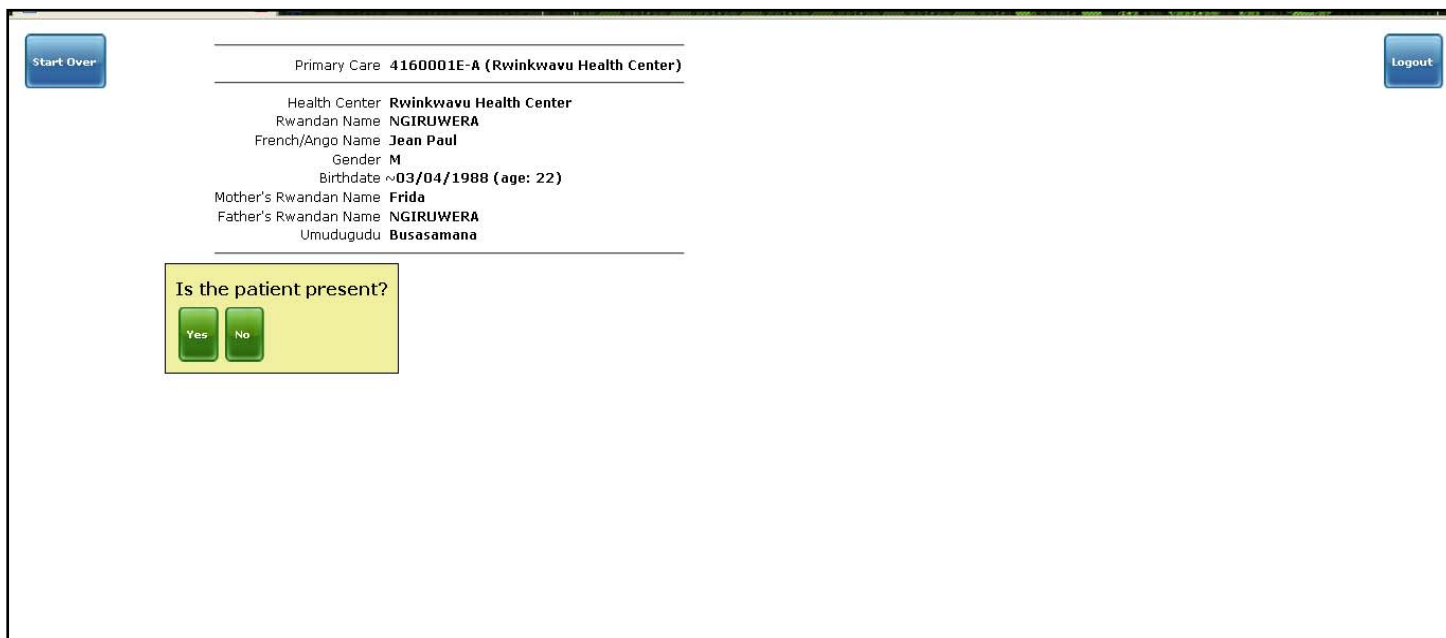
The screenshot shows a web interface for entering a father's name. At the top left is a blue 'Start Over' button. At the top right is a blue 'Logout' button. The main area contains a text input field with the label 'Father's Rwandan Name' above it, which is circled in red. Below the label, the text 'No Items' is displayed. Below the input field is a virtual keyboard with buttons for letters a-z, numbers 0-9, 'Delete', 'Space', and 'Upper'. At the bottom left is a red 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Finish'.

63.1. After the user has entered or chosen the Father's name from the dropdown list, it is the time to click on **Finish** button to go on the next step of registration:

This screenshot shows the same interface as the previous one, but the dropdown menu is open, displaying a list of names: KARINGANIRE, KARIZINGE, KARINGANIRE (highlighted), NYIRABIKARI, MUKAKARINDA, KARIYO, and BURAKARI. The 'Finish' button at the bottom right is circled in red. All other interface elements, including the keyboard and buttons, remain the same.

Presence confirmation

64. After the user has clicked on Finish button, he/she is directed to the page of confirmation if the patient is present or not by choosing **Yes** or **No** button below :



The screenshot shows a web interface for patient registration. At the top left is a 'Start Over' button and at the top right is a 'Logout' button. The main content area displays patient information for 'Primary Care 4160001E-A (Rwinkwavu Health Center)'. The information includes: Health Center: Rwinkwavu Health Center; Rwandan Name: NGIRUWERA; French/Ango Name: Jean Paul; Gender: M; Birthdate: ~03/04/1988 (age: 22); Mother's Rwandan Name: Frida; Father's Rwandan Name: NGIRUWERA; and Umudugudu: Busasamana. Below this information is a yellow box with the question 'Is the patient present?' and two green buttons labeled 'Yes' and 'No'.

Before we continue to the following part of registration, let's first see on how registering a patient not new in the system but he/she comes without (lost or forgotten) the carnet or Preprinted ID to be found quickly then after we will continue on above page as it's the same for both a new and existing patient into the system.

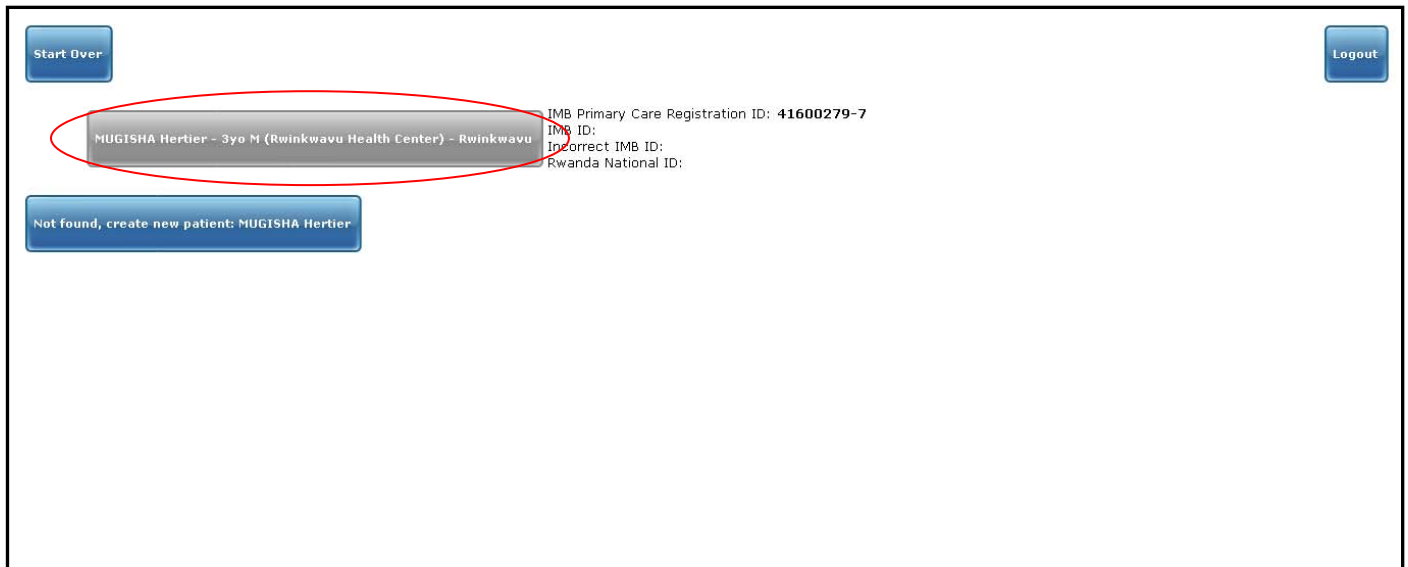
Patient already in the system without ID number

64.1. Entering a *patient already in the system* ; suppose that we searched by name, Kinyarwanda name, Christian name, age and after we enter and select Finish button a page having name of a patient appears in **gray color** just above where we click to create a patient as new one.

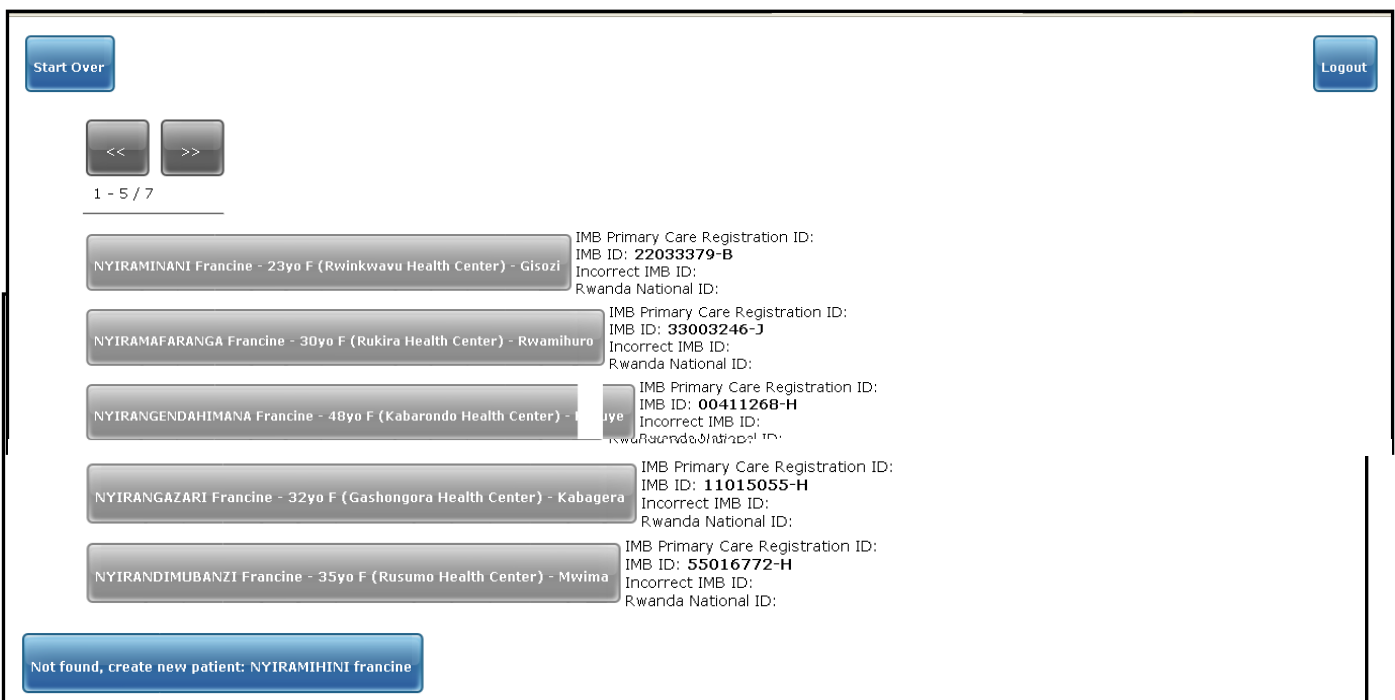


The screenshot shows a web interface for patient search. At the top left is a 'Start Over' button and at the top right is a 'Logout' button. The main content area displays search results for 'MUGISHA Hertier - 3yo M (Rwinkwavu Health Center) - Rwinkwavu'. To the right of the patient name, there is a list of identifiers: IMB Primary Care Registration ID: 41600279-7, IMB ID:, Incorrect IMB ID:, and Rwanda National ID:. Below the search results is a blue button that says 'Not found, create new patient: MUGISHA Hertier'.

64.2. From that page, the user needs to *select the patient in gray color* to continue on next step:
 !The user has to make sure that the names, age and umudugudu are the ones of this patient before he continue to next page, this is especially for a patient having other patients in the system and the system Shows up all patients having some information similar to this current one



64.3. This is the case where *many patients may come up* and the user has to make sure and be attentive on who is the one having the matching information of the patient being registered now;



Confirm the patient by Yes or reject by No

64.4. After the user has selected the wanted patient, the following is the page where we see if the patient is the real one, in addition to age, names, age there are also his patients Rwandan names then confirm by Yes if this is the patient wanted or No if you want to select another one in the list above or just if you want to create a patient as new (previously described) .

	Your search	This person
Rwandan Name	mugisha	MUGISHA
French/Ango Name	Hertier	Hertier
Gender	M	Male
Age	1.0	3
Mother's Rwandan Name		MUKABIZIMUNGU
Father's Rwandan Name		GATERA
Umudugudu		Rwinkwavu

64.4.1. When the user *select No button* as it is indicated below he will be directed to the previous page:

	Your search	This person
Rwandan Name	mugisha	MUGISHA
French/Ango Name	Hertier	Hertier
Gender	M	Male
Age	1.0	3
Mother's Rwandan Name		MUKABIZIMUNGU
Father's Rwandan Name		GATERA
Umudugudu		Rwinkwavu

64.4.1.1. This is the previous page coming to let the user select another patient or create a new patient in case he has found the one he/she selected was not intended patient:

Start Over Logout

<< >>

1 - 5 / 7

NYIRAMINANI Francine - 23yo F (Rwinkwavu Health Center) - Gisozi	IMB Primary Care Registration ID: IMB ID: 22033379-B Incorrect IMB ID: Rwanda National ID:
NYIRAMAFARANGA Francine - 30yo F (Rukira Health Center) - Rwamihuro	IMB Primary Care Registration ID: IMB ID: 33003246-J Incorrect IMB ID: Rwanda National ID:
NYIRANGENDAHIMANA Francine - 48yo F (Kabarondo Health Center) - Gisozi	IMB Primary Care Registration ID: IMB ID: 00411268-H Incorrect IMB ID: Rwanda National ID:
NYIRANGAZARI Francine - 32yo F (Gashongora Health Center) - Kabagera	IMB Primary Care Registration ID: IMB ID: 11015055-H Incorrect IMB ID: Rwanda National ID:
NYIRANDIMUBANZI Francine - 35yo F (Rusumo Health Center) - Mwima	IMB Primary Care Registration ID: IMB ID: 55016772-H Incorrect IMB ID: Rwanda National ID:

Not found, create new patient: NYIRAMIHINI francine

64.4.2. When the user *select Yes* button as it is indicated below he will be directed to the next step of registration process:

Start Over Logout

Is this the right person?

Your search	This person
Rwandan Name mugisha	MUGISHA
French/Ango Name Hertier	Hertier
Gender M	Male
Age 1.0	3
Mother's Rwandan Name	MUKABIZIMUNGU
Father's Rwandan Name	GATERA
Umudugudu	Rwinkwavu

No Yes

Presence confirmation

65. From here the user will select yes to confirm that the patient is present. If he select No he will be directed to page of vitals to skip some step due to his/her absence. In additional, from this page and the remaining pages, the registration process is the same for both existing and new patient into the system;

The screenshot shows a web interface for patient registration. At the top left is a blue 'Start Over' button and at the top right is a blue 'Logout' button. The main content area displays patient information: 'IMB Primary Care Registration ID 41600279-7 (Rwinkwavu Health Center)'. Below this, the patient details are listed: Health Center: Rwinkwavu Health Center, Rwandan Name: MUGISHA, French/Ango Name: Hertier, Gender: Male, Birthdate: ~05/31/2007 (age: 3), Mother's Rwandan Name: MUKABIZIMUNGU, Father's Rwandan Name: GATERA, and Umutugudu: Rwinkwavu. At the bottom, a yellow box asks 'Is the patient present?' with two green buttons: 'Yes' and 'No'.

65.1. Let's start by selecting No button, it means the patient you are working on is not present:

The screenshot shows a similar web interface for patient registration. At the top left is a blue 'Start Over' button and at the top right is a blue 'Logout' button. The main content area displays patient information: 'Primary Care 4160001E-A (Rwinkwavu Health Center)'. Below this, the patient details are listed: Health Center: Rwinkwavu Health Center, Rwandan Name: NGIRUWERA, French/Ango Name: Jean Paul, Gender: M, Birthdate: ~03/04/1988 (age: 22), Mother's Rwandan Name: Frida, Father's Rwandan Name: NGIRUWERA, and Umutugudu: Busasamana. At the bottom, a yellow box asks 'Is the patient present?' with two green buttons: 'Yes' and 'No'. The 'No' button is circled in red.

From this page, the User may choose to start over (Start over button) to return to after login page or choose logout (Logout button) to go log in page in case he/she doesn't want to stay signed in or to continue with registration process for this patient

65.2. If you choose No, user is saying the patient is not present and directly he/she is directed to the following page which is not fine, this page shows that no today's visit information because you have chosen **No** to express that no patient is present and the system is intended to register today's visit information;

The screenshot displays a patient registration form. At the top left is a blue 'Start Over' button and at the top right is a blue 'Logout' button. The main content area is divided into several sections:

- Patient Details:** A yellow box containing the following information:
 - Primary Care: 41600011-9 (Rwinkwavu Health Center)
 - Health Center: **Rwinkwavu Health Center**
 - Rwandan Name: **KAYITESI**
 - French/Ango Name: **Sauda**
 - Gender: **Female**
 - Birthdate: ~02/24/1983 (age: 27)
 - Mother's Rwandan Name: **kamagaju**
 - Father's Rwandan Name: **KIBIRITI**
 - Umudugudu: **Rubimba**
- Today's visit:** A light green box containing the text 'No Data'.
- Buttons:** A green 'Edit Patient Details' button is positioned to the right of the patient details. Below it are two stacked buttons: a green 'Vitals' button and a grey 'Diagnosis' button. To the right of these is a green 'Print another bar code' button.

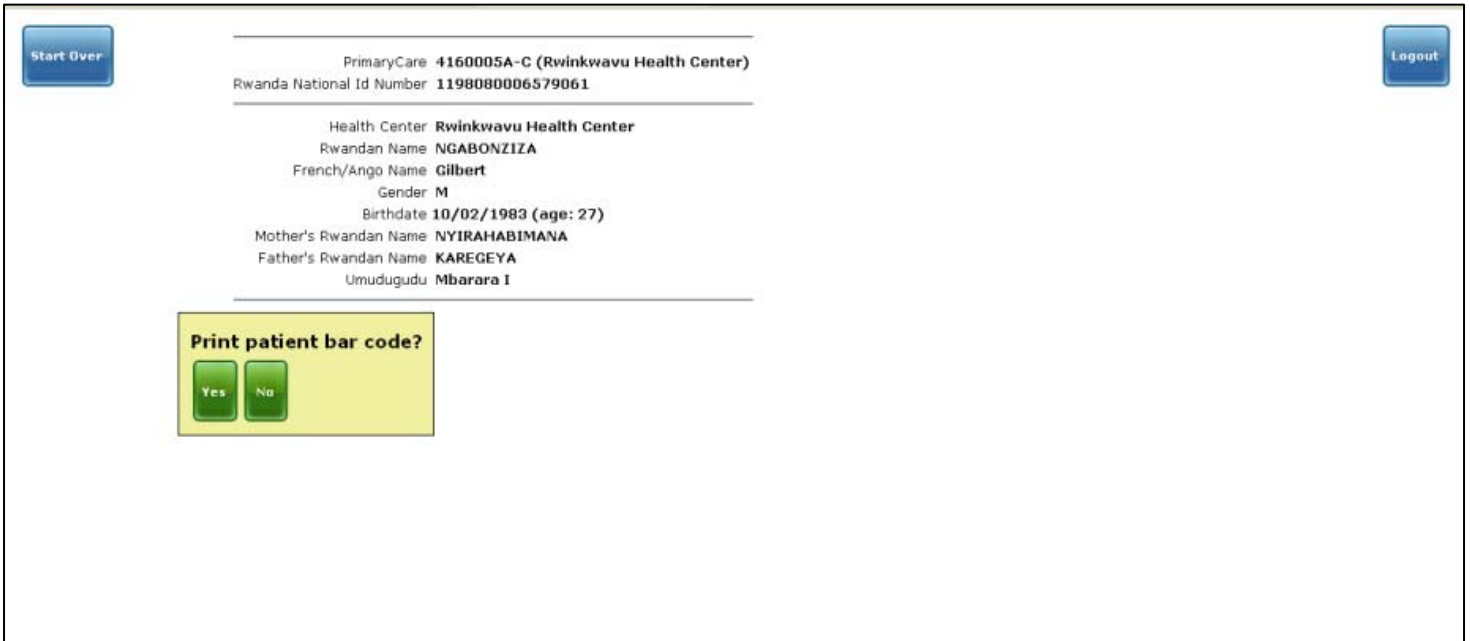
65.3. If you *Select Yes*, and this is the one indicated for good registration, the user is directed to next step:

The screenshot shows the same patient registration interface as in 65.2, but with a confirmation dialog box overlaid. The dialog box is yellow and contains the text 'Is the patient present?'. Below the text are two green buttons: 'Yes' and 'No'. The 'Yes' button is circled in red, indicating it is the selected option. The background content is partially obscured by the dialog box.

From this page, the User may choose to start over (Start over button) to return to after login page or choose logout (Logout button) to go log in page in case he/she doesn't want to stay signed in or to continue with registration process for this patient

Barcode print

66. This following page is intended to let the user **print barcode** if he/she selects *Yes* button, or just selects **No**, if he/she wants to print them later, after entering vitals:

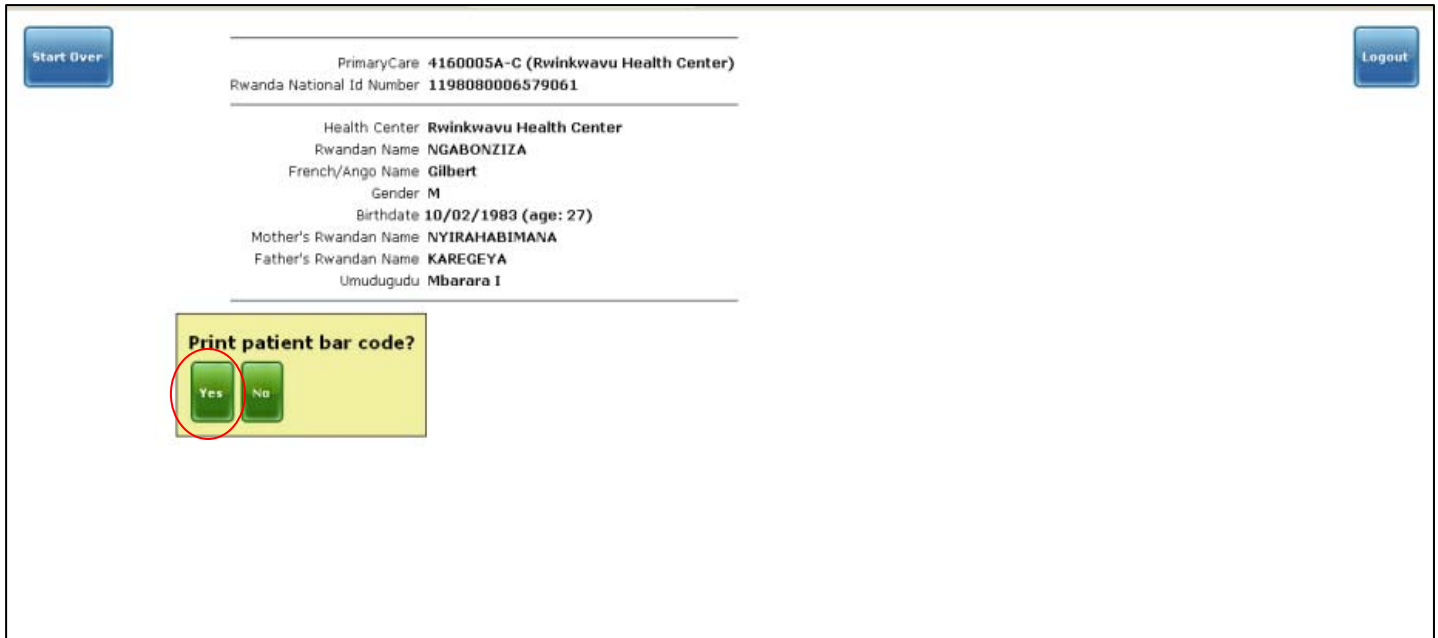


The screenshot shows a patient registration form with the following details:

- PrimaryCare: 4160005A-C (Rwinkwavu Health Center)
- Rwanda National Id Number: 1198080006579061
- Health Center: Rwinkwavu Health Center
- Rwandan Name: NGABONZIZA
- French/Ango Name: Gilbert
- Gender: M
- Birthdate: 10/02/1983 (age: 27)
- Mother's Rwandan Name: NYIRAHABIMANA
- Father's Rwandan Name: KAREGEYA
- Umudugudu: Mbarara I

At the bottom, there is a yellow dialog box titled "Print patient bar code?" with two green buttons: "Yes" and "No".

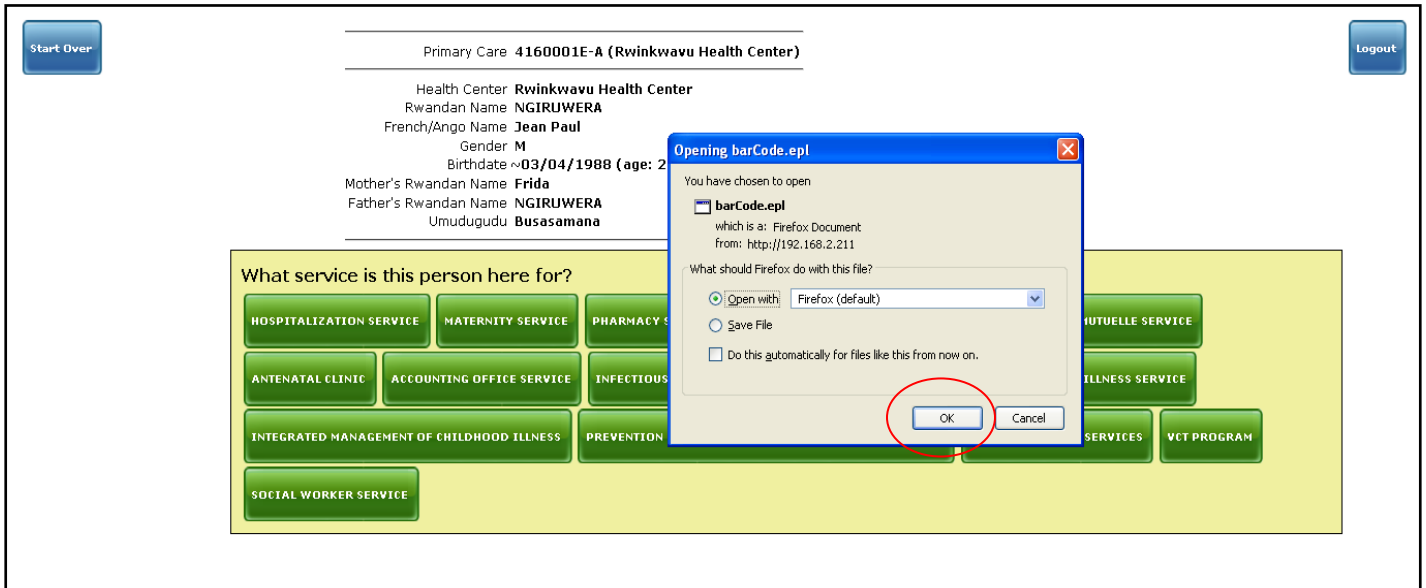
66.1. If the user select *Yes* button, user will need to confirm printing on new generated small window:



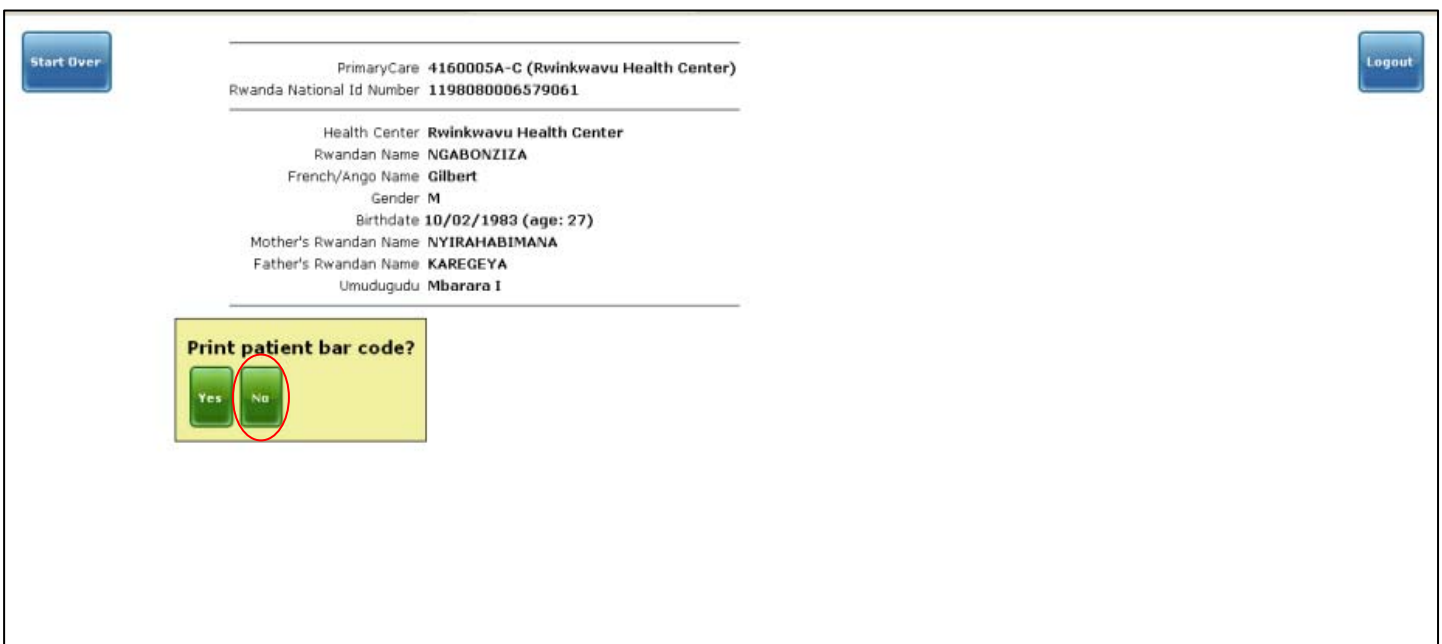
This screenshot is identical to the one above, but the "Yes" button in the "Print patient bar code?" dialog box is circled in red, indicating the user's selection.

From this page, the User may choose to start over (Start **over** button) to return to **after login page** or choose logout (**Logout** button) to go **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

66.1.1. Confirmation of Barcode printing by selecting **OK** on generated small window then continue registration process:



66.2. If the user prefers to print barcodes at the end of registration of current patient, he/she will use **No** button, to continue to next page as well as it happens after the user has even finished printing barcode:



Intended service selection

66.2.1. This is the page coming up after you select **No** button to skip barcodes print or even after you select Yes to let printer prints barcodes, from here the user will need to select a service the patient looks for today (the circled service is one example of asked service):

Start Over Logout

Primary Care 4160001E-A (Rwinkwavu Health Center)

Health Center **Rwinkwavu Health Center**
Rwandan Name **NGIRUWERA**
French/Ango Name **Jean Paul**
Gender **M**
Birthdate **03/04/1988 (age: 22)**
Mother's Rwandan Name **Frida**
Father's Rwandan Name **NGIRUWERA**
Umudugudu **Busasamana**

What service is this person here for?

HOSPITALIZATION SERVICE	MATERNITY SERVICE	PHARMACY SERVICES	LABORATORY SERVICES	VACCINATION SERVICE	MUTUELLE SERVICE
ANTENATAL CLINIC	ACCOUNTING OFFICE SERVICE	INFECTIOUS DISEASES CLINIC SERVICE	INTEGRATED MANAGEMENT OF ADULT ILLNESS SERVICE		
INTEGRATED MANAGEMENT OF CHILDHOOD ILLNESS	PREVENTION OF MOTHER TO CHILD TRANSMISSION SERVICE	FAMILY PLANNING SERVICES	VCT PROGRAM		
SOCIAL WORKER SERVICE					

Insurance entry

67. After the user chooses the needed service, this is a page to select an insurance type this current patient uses, in case the patient doesn't have any insurance, the user will select none in drop down insurances list:

Start Over Logout

Insurance Type

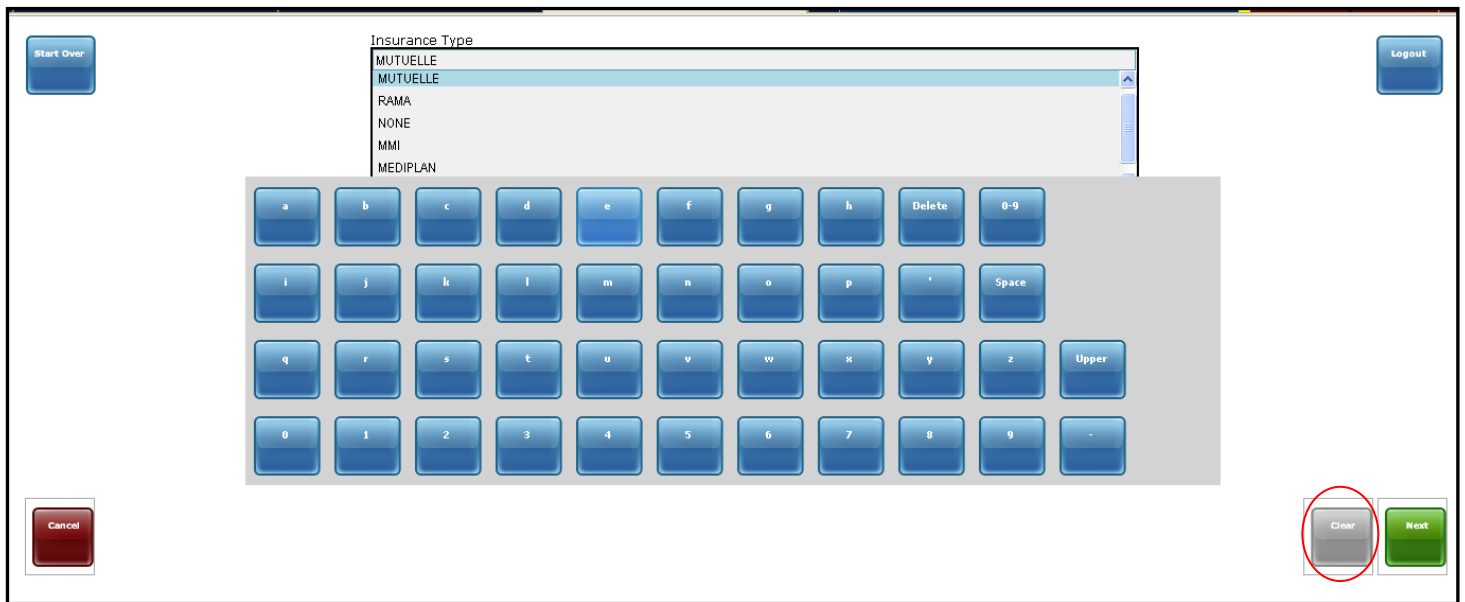
- MUTUELLE**
- MUTUELLE
- RAMA
- NONE
- MMI
- MEDIPLAN

Cancel

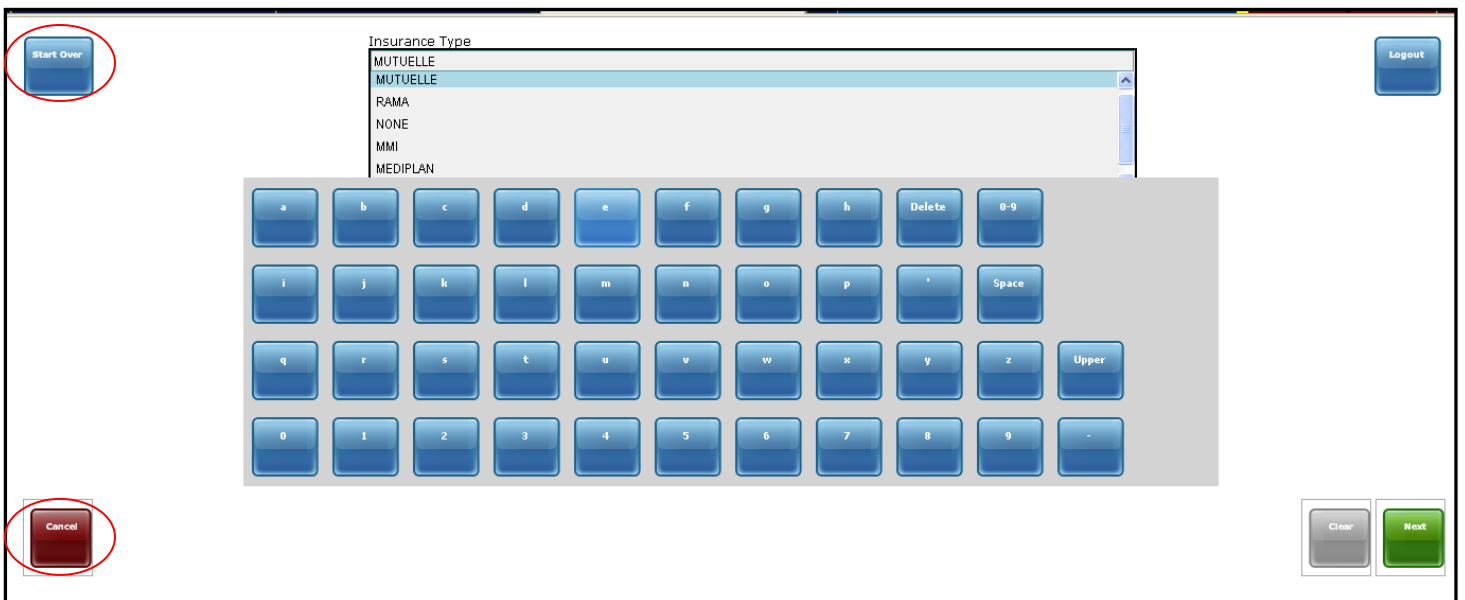
Clear Next

a	b	c	d	e	f	g	h	Delete	0-9	
i	j	k	l	m	n	o	p	*	Space	
q	r	s	t	u	v	w	x	y	z	Upper
0	1	2	3	4	5	6	7	8	9	-

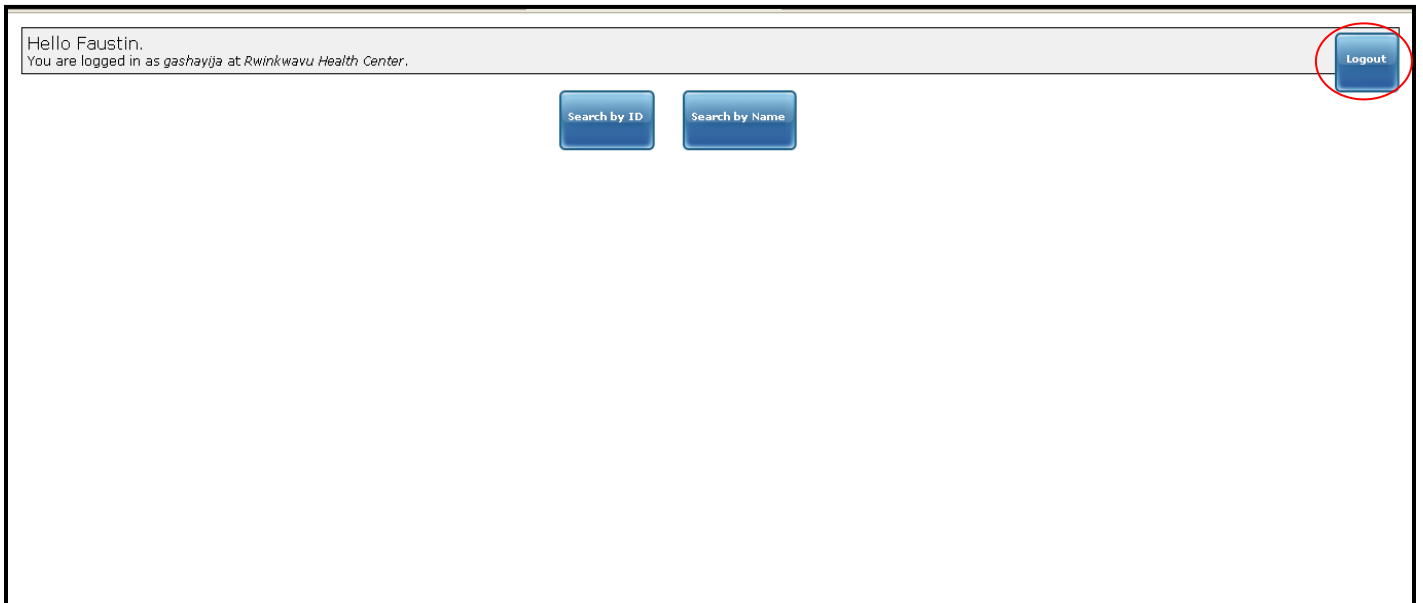
67.1. From the insurance page, if user uses **Clear** button the insurance selected is cleared, then the user will need to choose again the appropriate insurance type :



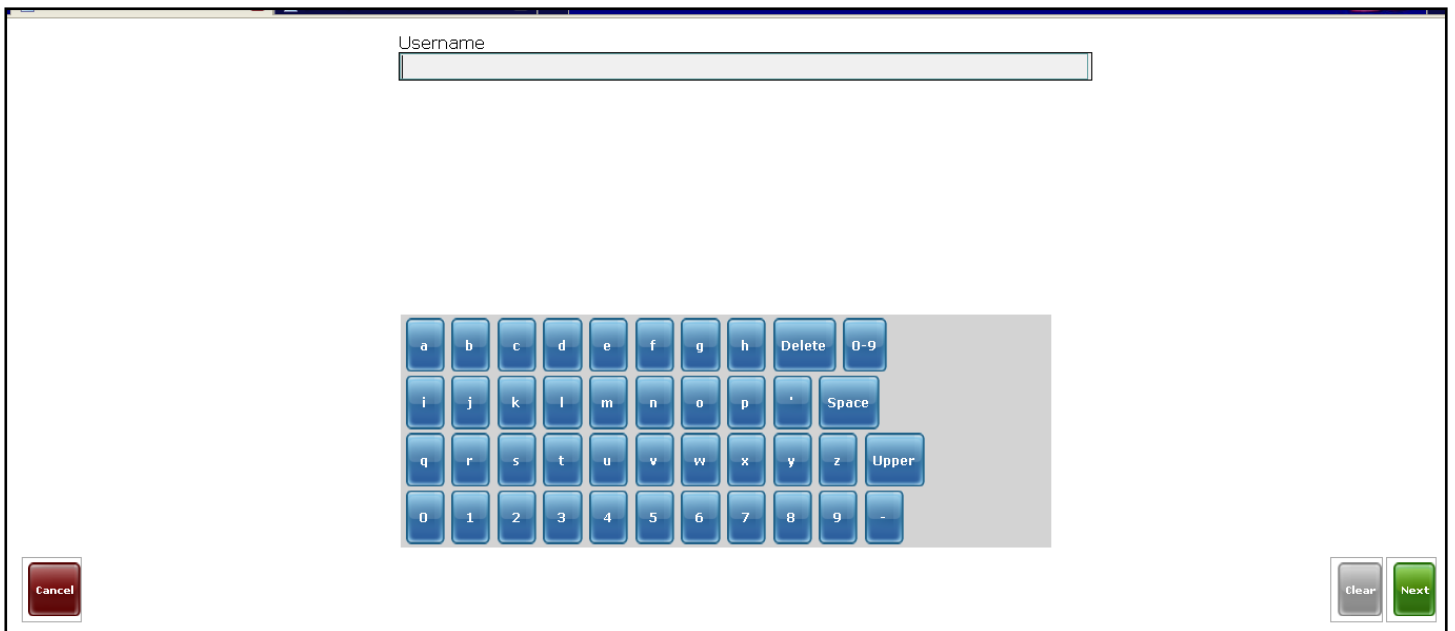
67.2. The user may Select **Cancel** or **Start Over** button to direct him/her to the **after log in page** when he/she stops to proceed with this current patient:



67.3. This is the after login page which comes after selecting **Start Over** or **Cancel** button. And In case the user selects **Logout** button, he/she will be directly directed out of primary health care system. For that, the user needs to use **Logout** button only if he/she wants to stop registering patients or just if any other user is here to use the system. Let's click on logout as follow:



67.4. The **initial log in page** for primary health care registration system coming after selecting **Logout** button:



68. After clicking on next at insurance type page, this is the page where , the user will fill in an insurance number from his/her insurance card using numbers on the screen or keyboard numbers:

The screenshot shows a web interface for entering an insurance number. At the top, there is a text input field labeled "Insurance Number" which is highlighted with a red oval. To the left of the input field is a blue button labeled "Start Over", and to the right is a blue button labeled "Logout". Below the input field is a virtual keyboard with buttons for letters a-z, numbers 0-9, a "Delete" button, a "0-9" button, a "Space" button, and an "Upper" button. At the bottom left is a red button labeled "Cancel", and at the bottom right are three buttons: "Clear", "Back", and "Finish".

The User may choose to use **Start over** or **Cancel** button to return to **after login page** or choose **Logout** button to go to **initial log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this current patient.

The user may use **Clear** button to remove the insurance number written, then the user will need to write numbers correctly or leave space blank no number, **Back** button to return to insurance type page.

68.1. After the insurance number is filled in, the user has to select **Next** button for vitals and continue with registration process:

The screenshot shows a registration form with an 'Insurance Number' field containing '123'. A virtual keyboard is displayed below the field. The keyboard includes buttons for letters a-z, numbers 0-9, 'Delete', '0-9', 'Unknown', and 'Upper'. At the bottom right, there are 'Clear', 'Back', and 'Finish' buttons. The 'Finish' button is circled in red.

Vitals

69. After clicking on finish button, the following page consists of **vitals**, **Print barcode**, **Edit patient details** and **Registration** buttons which are used from **vitals** button. **Diagnosis** button will be used later to enter diagnosis found after consultation or lab results;

The screenshot shows a patient registration page. The patient's details are displayed in a yellow box: IMB Primary Care Registration ID 41600436-F (Rwinkwavu Health Center) and 4160070W-3 (Unknown location). Health Center: Rwinkwavu Health Center. Rwandan Name: ngiruwera. French/Ango Name: Jean Paul. Gender: Male. Birthdate: ~06/27/1988 (age: 22). Mother's Rwandan Name: Amoroso. Father's Rwandan Name: gene. Umudugudu: Twibanire. Below the details, there is a section for 'Today's visit' with 'No Data' displayed. To the right, there are buttons for 'Edit Patient Details', 'Vitals' (circled in red), and 'Diagnosis'. There are also 'Print another bar code' buttons.

From this page, the User may choose to use **Start over** button to return to **after login page** or choose to use **Logout** button to go to **log in page** in case he/she doesn't want to stay signed in or to continue with registration process for this patient

Temperature

69.1. From Vitals selection, the user is directed to the page where he/she will fill in temperature measurement, measured in Celsius degrees, user may use numbers on screen or use keyboard numbers:

The screenshot shows a web interface for entering temperature. At the top, there is a header "Temperature (Celsius)" and a small link "Rhein - Wikipedia, the free encyclopedia". Below the header is a large, empty text input field, which is circled in red. To the left of the input field is a blue "Start Over" button, and to the right is a blue "Logout" button. In the center of the screen is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a "Delete" button. At the bottom left is a red "Cancel" button, and at the bottom right are "Clear" and "Next" buttons.

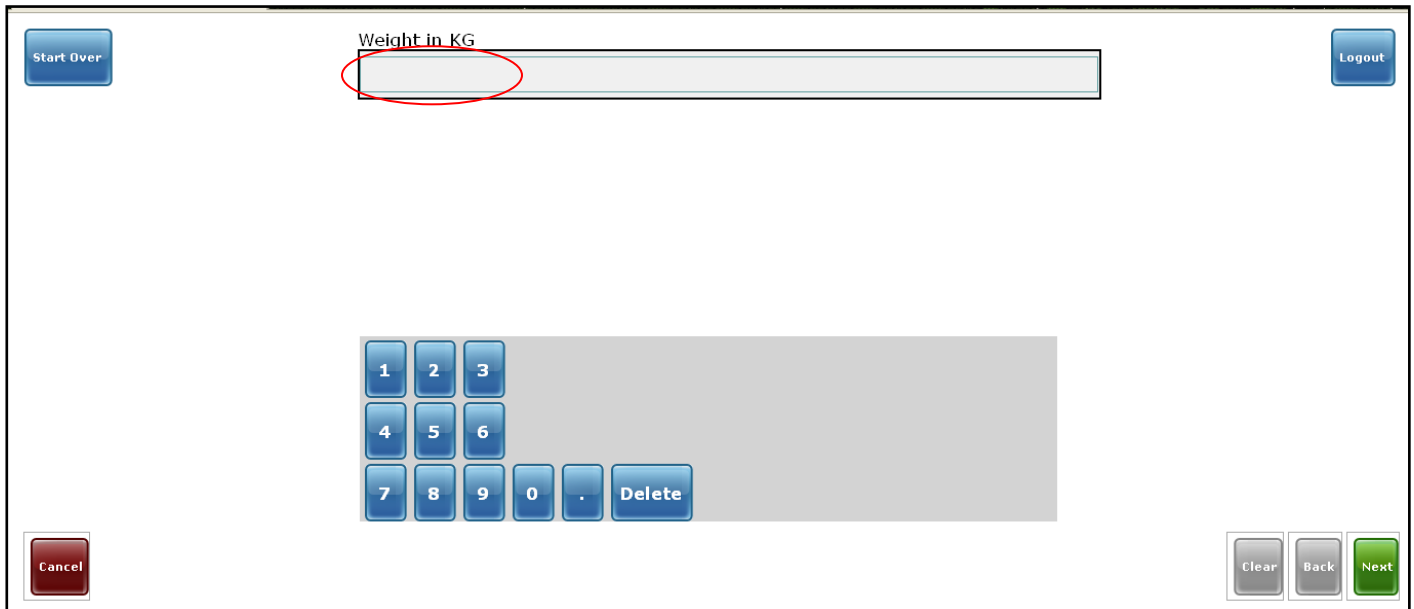
69.2. After the user has entered temperature measurements or just if he/she doesn't need to measure this to mean temperature space will remain empty, the user needs to select **Next** button to go to next page:

This screenshot is identical to the previous one, but the text input field now contains the value "37.2". The "Next" button at the bottom right is circled in red, indicating it is the button to be selected to proceed to the next page.

Here, if the user select **Cancel** button, he/she will directed back to after initial page for vitals, registration, diagnosis, print barcodes, which not helpful for good registration process. If, the user selects **start over** button; he will be directed to after log in page, **Logout** button to go to initial log in page whereas **Clear** button is just for clearing written number in temperature space.

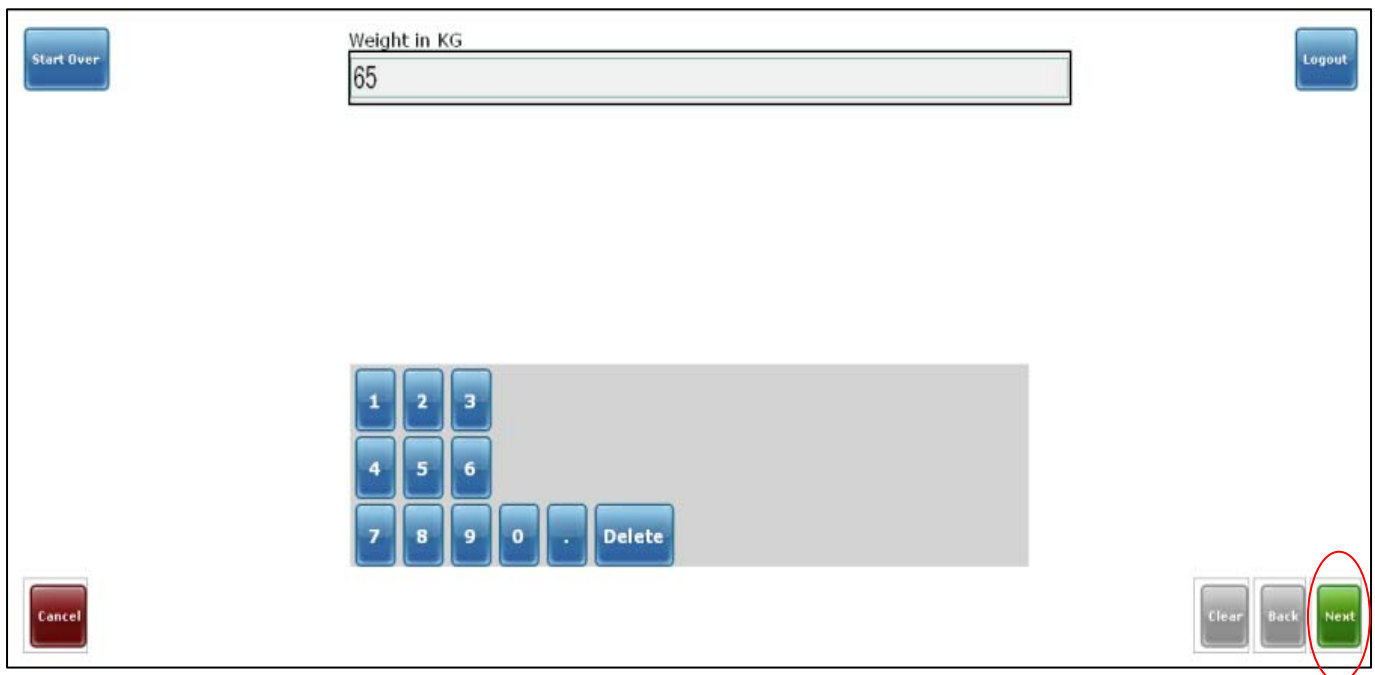
Weight

69.3. After temperature is done, the user is directed to the page where he/she will fill in weight measurement , measured in Kilograms (KG), he/she may use numbers on screen or use keyboard numbers :



The screenshot shows a software interface for entering weight. At the top left is a blue 'Start Over' button. At the top right is a blue 'Logout' button. In the center, there is a text input field labeled 'Weight in KG' which is currently empty and highlighted with a red oval. Below the input field is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a 'Delete' button. At the bottom left is a red 'Cancel' button. At the bottom right are three buttons: 'Clear', 'Back', and 'Next'.

69.4. After the user has entered Weight measurements (KG) or just if he/she doesn't need to measure this to mean weight space will remain empty. The user needs to select **Next** button to go to next page:



The screenshot shows the same software interface as in 69.3, but the 'Weight in KG' input field now contains the number '65'. The 'Next' button at the bottom right is highlighted with a red oval, indicating it is the button to be selected to proceed to the next page.

From here, if the user select **Cancel** button, he/she will directed back to after initial page for vitals, registration, diagnosis, print barcodes, which not helpful for good registration process. If, the user selects **start over** button; he will be directed to **after log in page**, **Logout** button to go to **initial log in page** whereas **Clear** button is just for clearing written number in Weight space.

Height

69.5. After Weight is done , the user is directed to the page where he/she will fill in Height measurement , measured in centimeters (CM), he/she may use numbers on screen or use keys board :

The screenshot shows a user interface for entering height measurements. At the top, there is a text input field labeled "Height in CM" which is currently empty and circled in red. To the left of the field is a blue "Start Over" button, and to the right is a blue "Logout" button. Below the input field is a numeric keypad with buttons for digits 1-9, 0, a decimal point, and a "Delete" button. At the bottom left is a red "Cancel" button, and at the bottom right are three buttons: "Clear", "Back", and "Finish".

69.6. After the user has entered Height measurements (Cm) or just if he/she doesn't need to measure this to mean weight space will remain empty. The user needs to select **Finish** button to achieve vital signs registration and return to page where there are registration, print barcode and vitals buttons to continue registration process:

This screenshot shows the same interface as the previous one, but the "Height in CM" field now contains the number "168". The "Finish" button at the bottom right is circled in red, indicating it is the button to be selected next.

From here, if the user select **Cancel** button, he/she will directed back to after initial page for vitals, registration, diagnosis, print barcodes, which not helpful for good registration process. If, the user selects **start over** button; he will be directed to **after log in page**, **Logout** button to go to **initial log in page** whereas **Clear** button is just for clearing written number in Height space.

70. After choosing the **Finish** button the user comes like back on the page below to print barcode and register all the information recorded here, entered vitals are visible under registration in today's visit space as follow:

The screenshot displays the EMR interface. At the top left is a 'Start Over' button and at the top right is a 'Logout' button. The central area shows patient details for 'TEST', a male born on 04/04/1977, with three primary care locations: Rwinkwavu Health Center, Gahara Health Center, and an Unknown location. Below this is a 'Today's visit' section with two entries: 'Registration' at 10:51 and 'Vitals' at 10:57. The 'Vitals' entry is circled in red and lists: TEMPERATURE (C): 37.0, BODY MASS INDEX, MEASURED: 21.2, WEIGHT (KG): 65.0, and HEIGHT (CM): 175.0. To the right of the visit section are buttons for 'Enter visit data' (containing 'Vitals' and 'Diagnosis') and 'Print another bar code'.

Print barcode

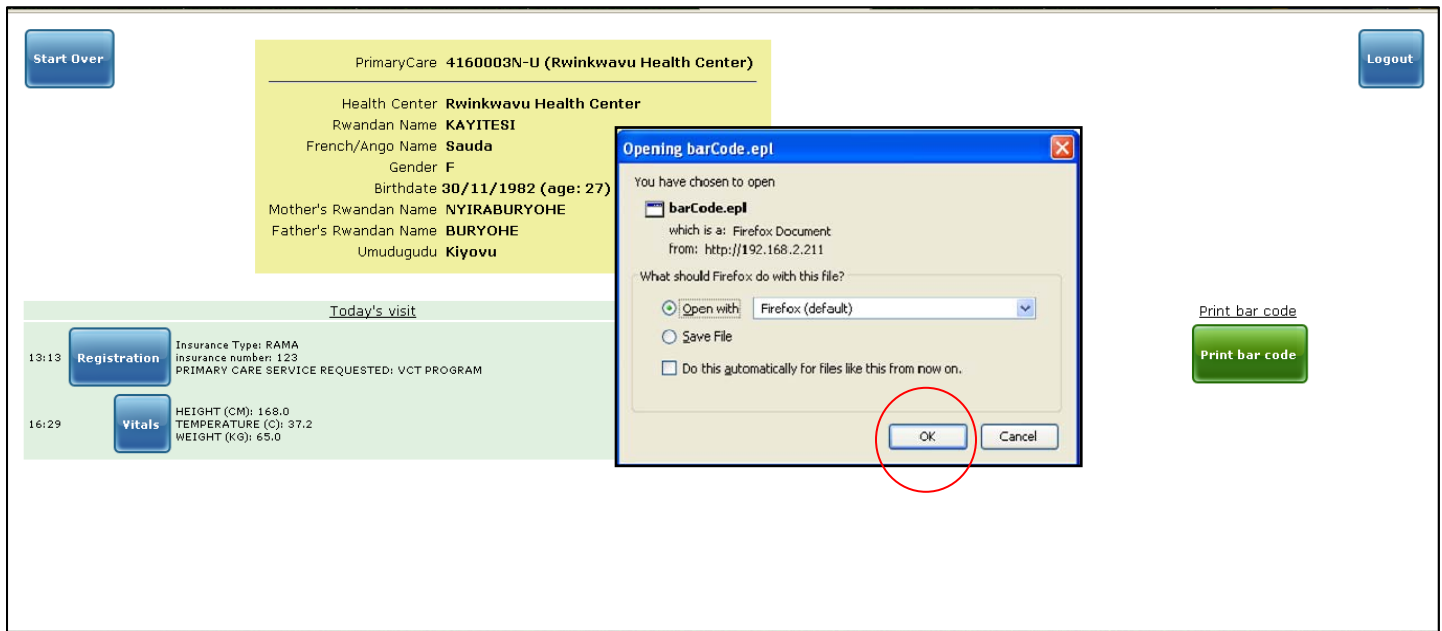
70.1. From the page above, the user can print barcode using **Print another barcode** button shown below and then continue to next small window of barcode printing confirmation;

This screenshot is identical to the one above, but the 'Print another bar code' button in the 'Enter visit data' section is circled in red to indicate it is the target for the next step.

From this page, the User may choose to use **Start over** button to return to **after login page** or choose to use **Logout** button to go to initial log in page in case he/she doesn't want to stay signed in or to continue with registration process for this patient

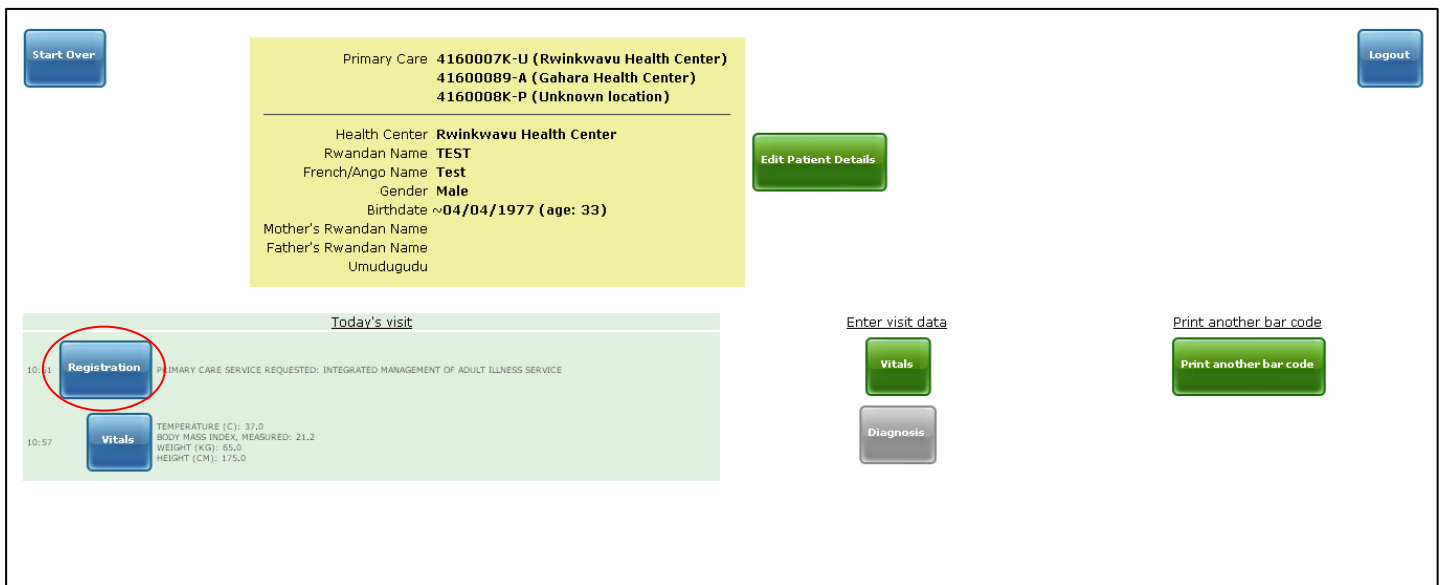
70.2. After the user has chosen to print barcode, he/she is directed to this following small window where he/she has to confirm barcode printing action by selecting **OK** button.

*If the user chooses **cancel** button, there will be no printing action to mean printing is canceled:*



Registration

71. After barcode print, it mean recording is at the end, the user has to keep all information recorded using **Registration** button :



From this page, the User may choose to use **Start over** button to return to **after login page** or choose to use **Logout** button to go to initial log in page in case he/she doesn't want to stay signed in or to continue with registration process for this patient

72. After registering (click on **Registration** button) the following is the interface coming to show you that you have saved the patient's information.

The screenshot displays a web interface for patient registration. At the top left, there is a blue 'Start Over' button. To its right, a grey box contains the text 'KAYITESI Sauda - 27yo F (Rwinkwavu Health Center) - Kiyovu'. At the top right, there is a blue 'Logout' button. Below this header, the text reads 'Registration Encounter on 12/08/2010 at Rwinkwavu Health Center by Super User'. Underneath, the section is titled 'Observations' and contains the following details: 'Insurance Type: RAMA', 'insurance number: 123', and 'PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM'. At the bottom left of the main content area, there is a grey 'Back' button.

72.1. The user may use back button to return to previous page where there are registration, print barcode, Edit patient details and vitals buttons , in case for example he/she has forgotten to print barcode and print them now:

This screenshot is identical to the one above, showing the registration interface for 'KAYITESI Sauda - 27yo F'. The 'Back' button at the bottom left is circled in red, indicating its function as described in the text. The rest of the interface, including the 'Start Over' and 'Logout' buttons and the patient/observation details, remains the same.

72.2. This is page which comes up in case user decides to use back button may he/she want to use one of the forgotten button like printing barcode for instance:

The screenshot displays a patient information page. At the top left is a 'Start Over' button and at the top right is a 'Logout' button. The main content area is a yellow box containing patient details: PrimaryCare 4160003N-U (Rwinkwavu Health Center), Health Center Rwinkwavu Health Center, Rwandan Name KAYITESI, French/Ango Name Souda, Gender F, Birthdate 30/11/1982 (age: 27), Mother's Rwandan Name NYIRABURYOHE, Father's Rwandan Name BURYOHE, and Umutugudu Kiyovu. Below this is a 'Today's visit' section with a light green background. It lists two visits: one at 13:13 for 'Registration' (Insurance Type: RAMA, Insurance number: 123, PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM) and another at 16:29 for 'Vitals' (HEIGHT (CM): 168.0, TEMPERATURE (C): 37.2, WEIGHT (KG): 65.0). To the right of the visit list are buttons for 'Enter visit data', 'Vitals', and 'Diagnosis'. Further right are buttons for 'Print bar code' and 'Print bar code'.

72.3. Otherwise, the user may decide to use **Logout** button; this time he/she will be signed out of the PHC system, this is to mean he/she will be directed to initial log in page and in case he/she wants to continue registration process, he/she will need to sign in again to be able to use the system:

The screenshot shows the EMR interface after a registration encounter. At the top left is a 'Start Over' button. The patient information bar shows 'KAYITESI Souda - 27yo F (Rwinkwavu Health Center) - Kiyovu'. Below this is the text 'Registration Encounter on 12/08/2010 at Rwinkwavu Health Center by Super User'. Under the 'Observations' section, it lists 'Insurance Type: RAMA', 'insurance number: 123', and 'PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM'. A 'Back' button is visible on the left. On the right side, the 'Logout' button is circled in red.

72.4. This is the **initial log in page** with username blank which comes up after the use has chosen to use Logout button:

Username

Virtual keyboard with keys: a, b, c, d, e, f, g, h, Delete, 0-9, i, j, k, l, m, n, o, p, Space, q, r, s, t, u, v, w, x, y, z, Upper, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, -

Buttons: Cancel, Clear, Next

Start Over

72.5. Once the user is done with saving one patient's information and he/she is still continuing with registration for other patients, always he/she need to choose **Start over** button to go to the **after log in page** without signing in again and start register another patient:

Start Over KAYITESI Sauda - 27yo F (Rwinkwavu Health Center) - Kiyovu Logout

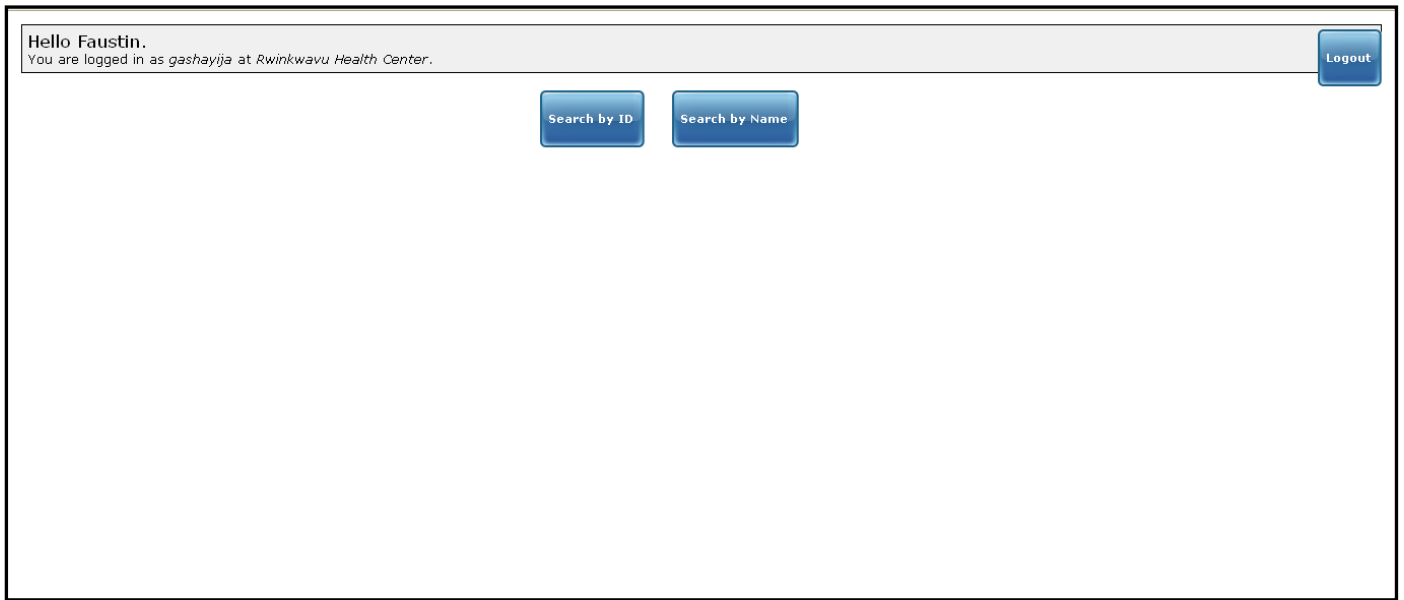
Registration Encounter on 12/08/2010 at Rwinkwavu Health Center by Super User

Observations

Insurance Type: RAMA
insurance number: 123
PRIMARY CARE SERVICE REQUESTED: VCT PROGRAM

Back

72.6. This is the interface after choosing **Start over** button, then start registering another patient whether by ID number (**search by ID**) if it's available or by name (**Search by name**) depending on the old or new case to be registered and the registration process restarts again:



End.

THANK YOU FOR YOU TIME TO READ
THIS MANUAL GUIDE FOR PRIMARY
HEALTH CARE SYSTEM

