



health

Department:
Health
PROVINCE OF KWAZULU-NATAL

KWAZULU NATAL eHEALTH SYSTEM

Training Manual

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1. INTRODUCTION

1.1 Purpose

The purpose of this manual is to provide instructional support and guidance to authorized user(s) who use the KZN eHealth System. The manual focuses on access, navigation and use of the system.

2. KZN eHEALTH SYSTEM

2.1 About the system

KZN eHealth System is a web based application that is used to create and store patient records in a hospital.

2.2 Minimum System Requirements

The system is recommended to be accessed in the following Internet browsers:

- Chrome
- Fire Fox
- Android
- IOS

2.3 System Accounts

There are eight different types of accounts:

- **Admin Clerk** – Standard account that allows Clerks to search, view, edit and register patients in the system, print the carrier card, and attach referral letter of a patient.
- **Nurse** – Account that allows Nurses to search and view patients, update certain details, add vitals readings and view vitals readings, make note and view previous note done by other nurses and doctors, add new specimen record, view and update specimen record, search and view previous test records and order new tests, admit and discharge a patient.
- **Doctor**- Account that allows doctors to search patient details, add vitals, add consultation notes and view previous notes from other doctor and nurses, make appointments, make prescription, request X-ray, referee a patient to another clinic within a facility or to another facility, add new specimen and tests, search and view previous tests.
- **Medical Manager** – Account that allows Medical Managers to search patient details, add new specimen and tests, search and view previous tests.
- **Management** – Account that allows Managers at different levels to view Reports.
- **IT system support and IT system administrator** - These accounts will have unconditional access to the system. They can add, modify or remove existing user(s) profile(s) to/from the system and also give them a role. The System Administrator will be managing all activities in the system.

- **Pharmacist-** This account allows the pharmacy people to view orders and dispense medication for the patient.
- **Radiologist-** This account allows a radiologist to view X-ray request and add report for X-rays done for the patient.
- **Phlebotomist-** This account allows phlebotomist to edit specimen.

2.4 User Access forms

All users are required to fill in the KZN eHealth application form which will be available on the KZN health intranet. Upon completion user(s) are to submit the signed forms to the system support administrators at: systemsupport@kznhealth.gov.za.

Upon receipt of the completed application forms, the user account will be activated and users will be granted access to the system. Username and Password will be emailed to the email address provided in the application form.

2.5 How to access the KZN eHealth

Open the web browser and type <http://ehealth.kznhealth.gov.za> as illustrated below.

3. GLOSSARY

Abbreviations	Full Names
MD	Medical Doctor
MID	Medical Intern Doctor
P	Phlebotomist
PN	Professional Nurse

4. LOGIN

- To login, enter username and password in the textboxes provided as shown in Figure 1 below.
- After entering the username and password, click on the “**Login**” button, you will then be directed to the landing page associated with your user level.

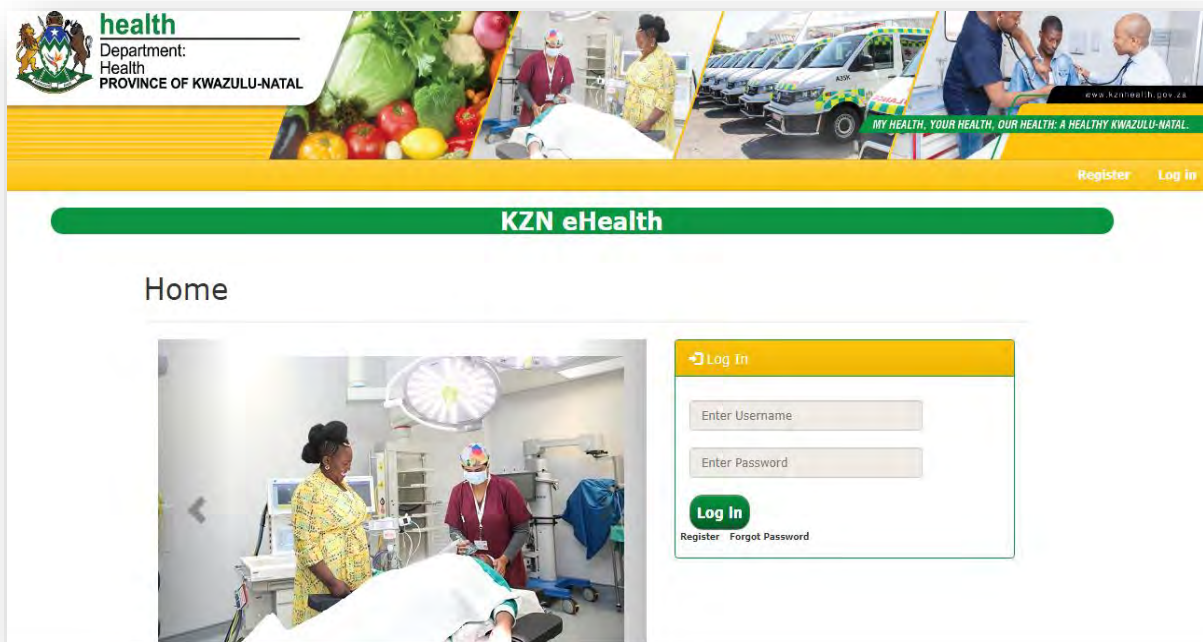
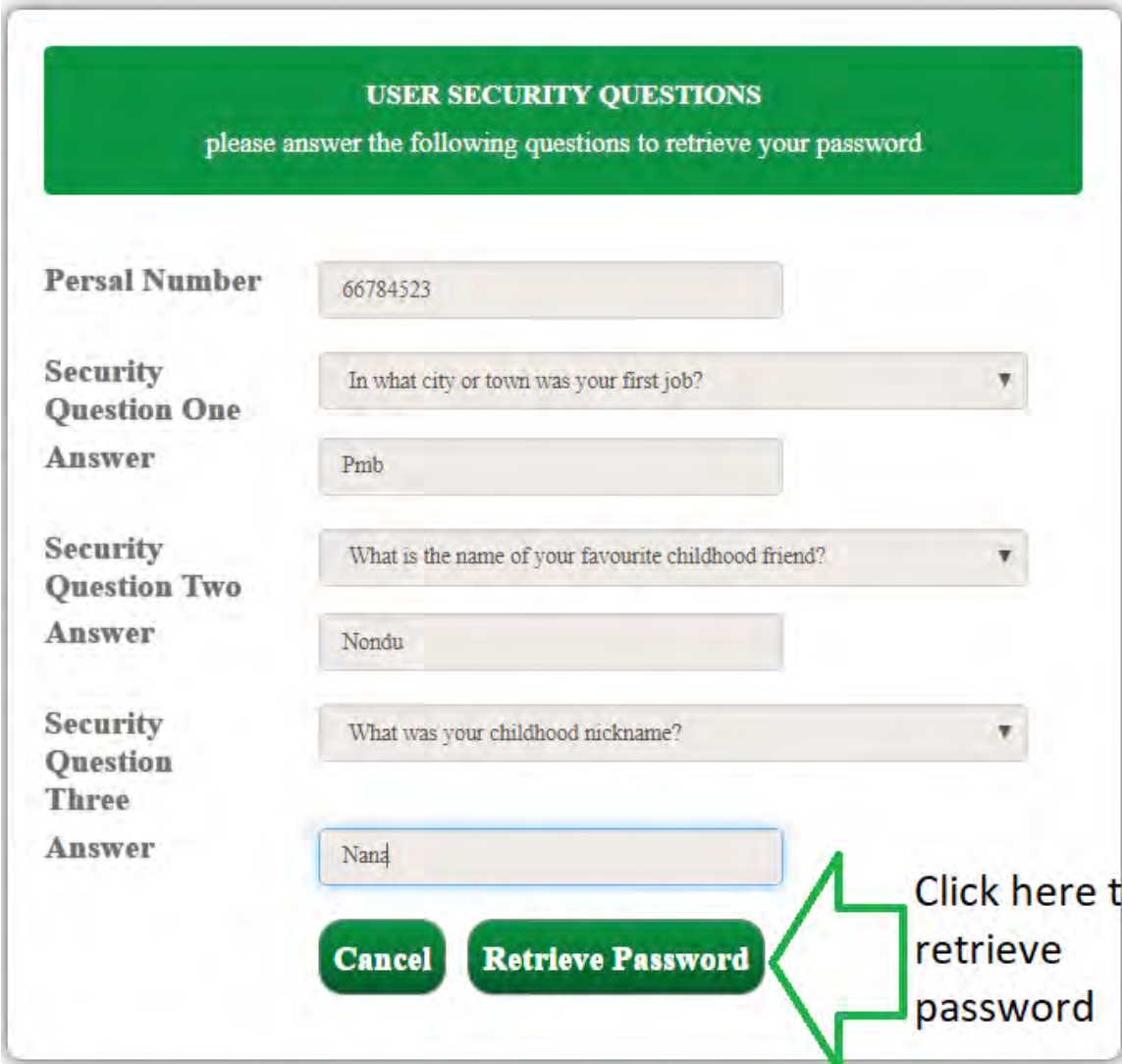


Figure 1

5.FORGOT PASSWORD

- The system allows the user to forgot password by click on the “**Forgot Password**” link as shown above in Figure 1.
- Upon clicking the “**Forgot Password**” shown in Figure 1 above, you will then be directed to the page “**User security Questions**” shown in Figure 2 below.

NB: These are the same questions that are captured during the self-registration process (see user guide to self -registration).



The screenshot shows a web form titled "USER SECURITY QUESTIONS" with the instruction "please answer the following questions to retrieve your password". The form contains three security questions, each with a dropdown menu for the question and a text input field for the answer. At the bottom, there are two buttons: "Cancel" and "Retrieve Password". A green arrow points to the "Retrieve Password" button with the text "Click here to retrieve password".

Field	Value
Persal Number	66784523
Security Question One	In what city or town was your first job?
Answer	Pmb
Security Question Two	What is the name of your favourite childhood friend?
Answer	Nondu
Security Question Three	What was your childhood nickname?
Answer	Nandj

Figure 2

- The user will have to give the same answers that was used during registration to retrieve password.
- Upon clicking the “**Retrieve password**” button, password is sent to the email if the user has the email. But if the user does not have the email, the password will pop up on the screen as shown in Figure 3 below.



Figure 3

6. LANDING PAGES

Landing pages are associated with your user level.

6.1 WARD ADMIN CLERK

This page contains; (see Figure 3 below):

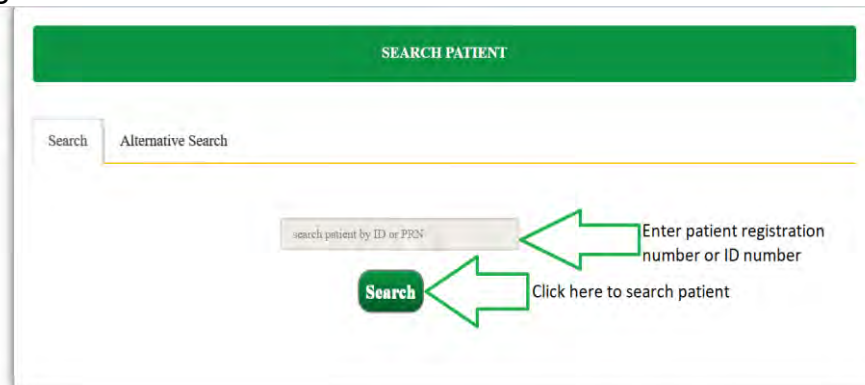
- Search patient
-Used for searching for the patient record
- Add a patient
-Used for adding a new patient record
- Print carrier card
-Used to print a carrier card for patient

SEARCH PATIENT

Patient search is done in **two ways**:

- **Search**- This is a normal search where a user search by patient visit number (PVN) or ID number.
- **Alternative search**- The user search by surname or gender or date of birth or both. See Figure 4 below.

- Search a patient using patient visit number or patient ID number as show in Figure 4 below



The screenshot shows a web interface titled "SEARCH PATIENT" with a green header. Below the header, there are two tabs: "Search" and "Alternative Search". The "Search" tab is active. In the center, there is a text input field with the placeholder text "search patient by ID or PVN". To the right of the input field, there is a green arrow pointing to the input field with the text "Enter patient registration number or ID number". Below the input field, there is a green "Search" button. A green arrow points to the "Search" button with the text "Click here to search patient".

Figure 4

- If records are found the patient's record will be displayed. See Figure 5 below:
- Click **"Edit"** to change patient details
- Click **"File and Document"** to upload patient file or Documents as show below.

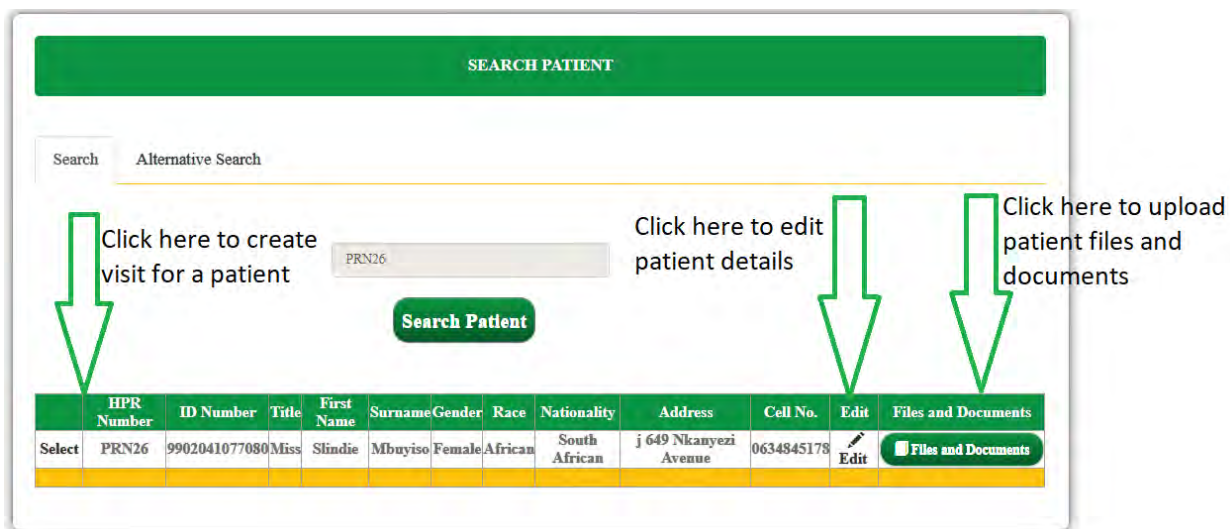


Figure 5

- Upon clicking "File and Document" you will be directed to this page shown in Figure 6



Figure 6

- Upon selecting “**Select**” button you will be directed to the page shown below in Figure 7.
- You can generate a visit card and view appointments but first you have to select the district and the institution as shown in Figure 7 below.

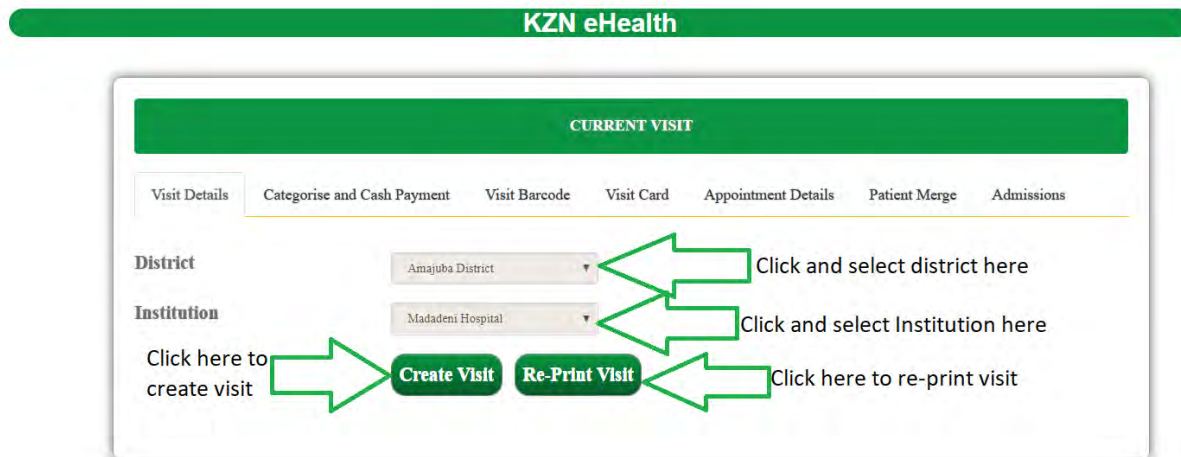


Figure 7

- Upon selecting “**Create Visit**” button instructions to proceed with patient visit will be displayed as shown below in Figure 8.

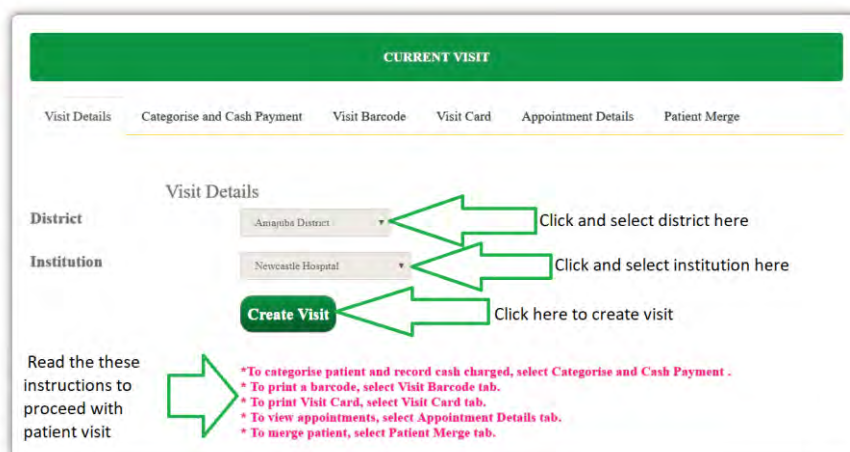


Figure 8

- Click **“Category and cash payment”** tab and enter all the required field as shown in Figure 9 below

The screenshot shows a web application interface with several tabs: 'Visit Details', 'Categorise and Cash Payment', 'Visit Barcode', 'Visit Card', 'Appointment Details', 'Patient Merge', and 'Admissions'. The 'Categorise and Cash Payment' tab is active. The form contains the following fields:

- Category:** A dropdown menu with 'H0' selected. A green arrow points to it with the text 'Click and select category here'.
- Justify:** A text area containing 'unemployed'. A green arrow points to it with the text 'Enter your justifications here'.
- Money To Be Paid:** A text input field containing '70,00'. A green arrow points to it with the text 'Enter amount to be paid'. Below this field is a red note: 'Use a comma (,) to separate rands from cents'.
- Responsible Clerk:** A text input field containing 'LUKA DONCIC'. A green arrow points to it with the text 'Clerk responsible here'.
- Save:** A green button with the text 'Save'. A green arrow points to it with the text 'Click here to save'.

Figure 9

- Upon clicking **“Save”** from Figure 9 above, an alert will pop up as shown in Figure 10 below.
- Click **“Ok”** to confirm cash charged to a patient as shown in Figure 10

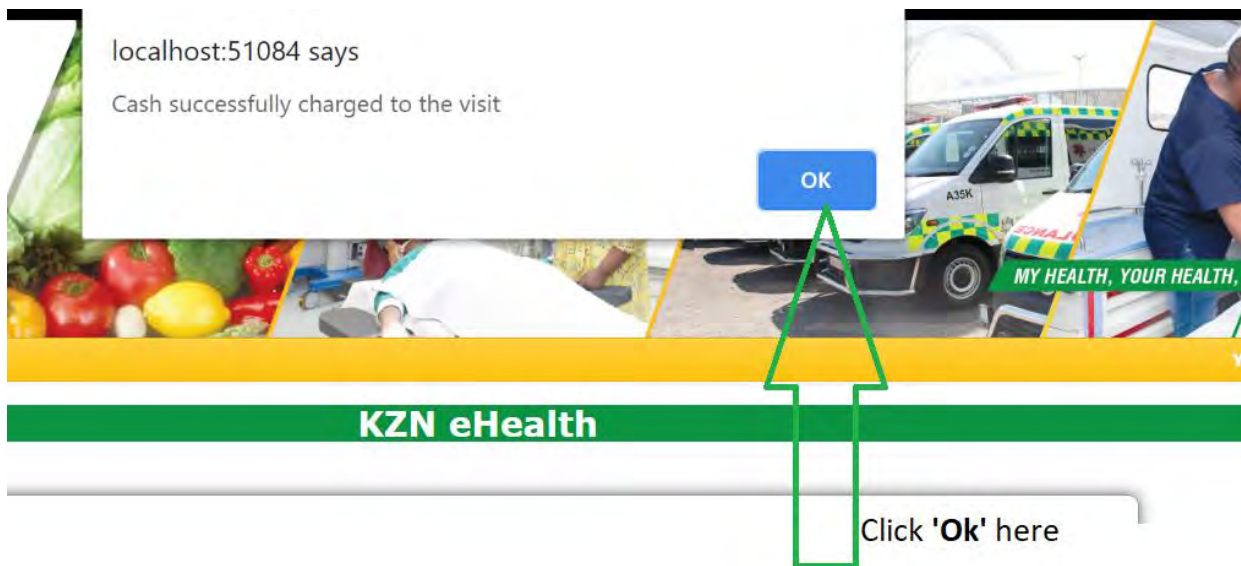


Figure 10

- Click **'Record Payment'** to record cash paid by patient as shown in Figure 11.

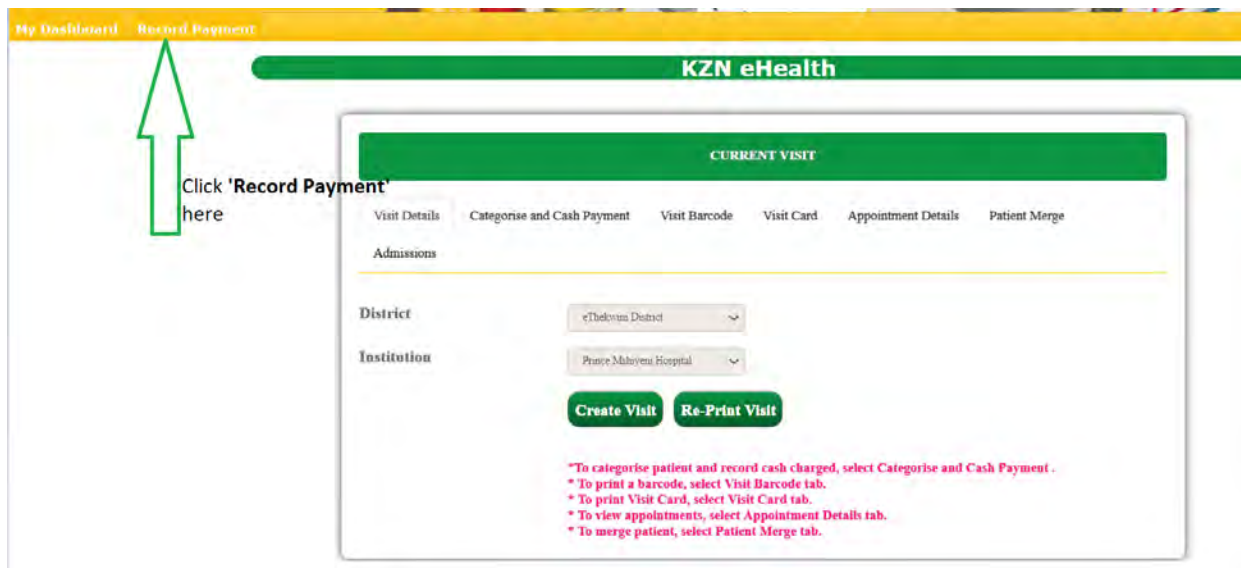


Figure 11

- Enter the **PVN** to search patient as shown in Figure12
- Upon clicking **'Search'** button, the below table will be shown and click **'Select'** to record payments as shown in Figure 12 below

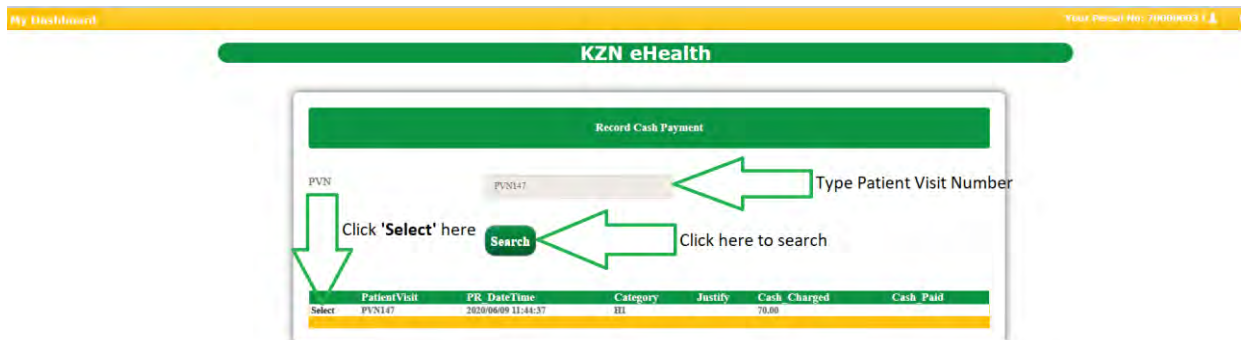


Figure 12

- Enter amount paid by the patient and click **'Record Payment'** button to save payments as shown in Figure 13.

The screenshot shows a web form for recording a payment. It includes the following fields and elements:

- Cash Paid:** A text input field containing the value "20". A green arrow points to this field with the label "Enter amount paid".
- Responsible Employee:** A text input field containing the name "LUKA DONCIC".
- Payment Date:** A text input field containing the timestamp "2020/06/09 12:13:23".
- Record Payment:** A green button with white text. A green arrow points to this button with the label "Click 'Record Payment' button to save payments".
- Instruction:** Red text below the Cash Paid field reads: "Use a comma (,) to separate the rands from cents".

Figure 13

- Click **"Visit barcode"** tab to print patient visit barcode as shown in Figure 10

The screenshot displays the "CURRENT VISIT" section of a patient record system. It features a navigation menu with the following tabs: "Visit Details", "Categorise and Cash Payment", "Visit Barcode", "Visit Card", "Appointment Details", and "Patient Merge". The "Visit Barcode" tab is currently selected. The main content area is titled "Visit Barcode" and contains two barcode images:

- The top barcode is labeled "Patient Reg :PRN077". A green arrow points to it with the label "Visit barcode here".
- The bottom barcode is labeled "Patient Visit :PRN112".
- Below the second barcode is a green button labeled "Print Barcode". A green arrow points to this button with the label "Click here to print the barcodes".

Figure 14

- Click **“Visit Card”** tab to print patient visit card as shown in Figure 11

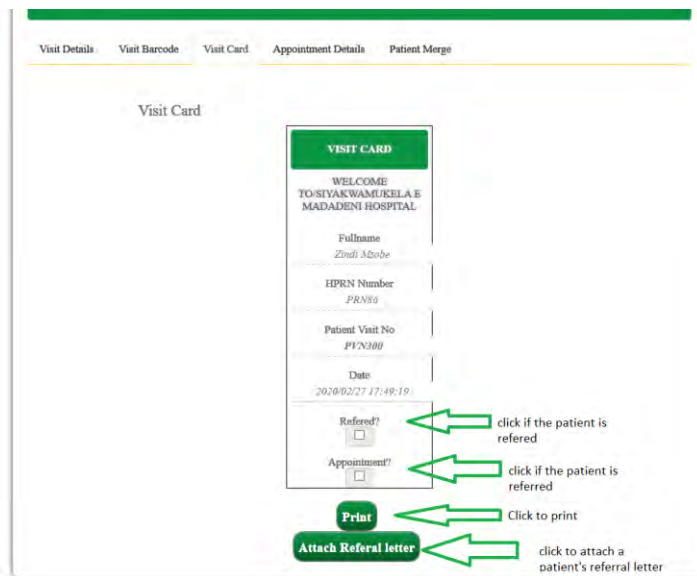


Figure 15

- Click **“Appointment Details”** tab to view appointments as shown in Figure 12

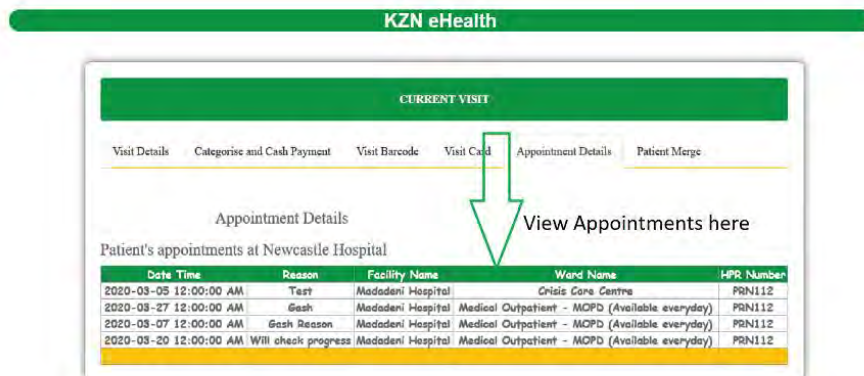


Figure 16

- To merge (**Joining the 2 records to one**) two record of the same patient:
 1. First search for the old patient record (**Referrer to Figure 4 to Figure 5**)
 2. Then select on the tab “**Patient merge**”.
 3. Upon clicking the tab “**Patient merge**” you will be directed to the page show in Figure 13 below.

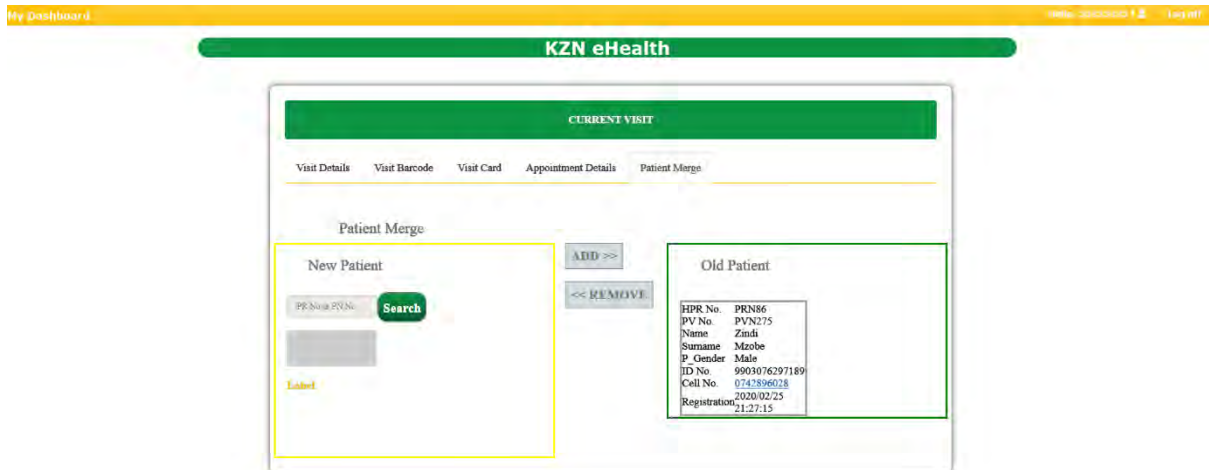


Figure 17

- Search a new patient record to merge (**Joining the 2 records to one**) as shown in Figure 14
- Add the patient to merge (**Joining the 2 records to one**) as shown in Figure 14

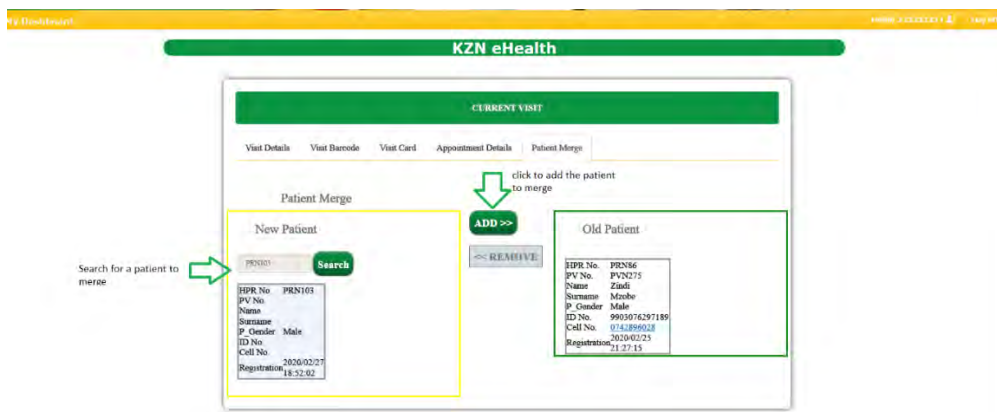


Figure 18

- You then merge (**Joining 2 records to one**) the two patient record by clicking the button “**merge**” as shown in Figure 15 below.

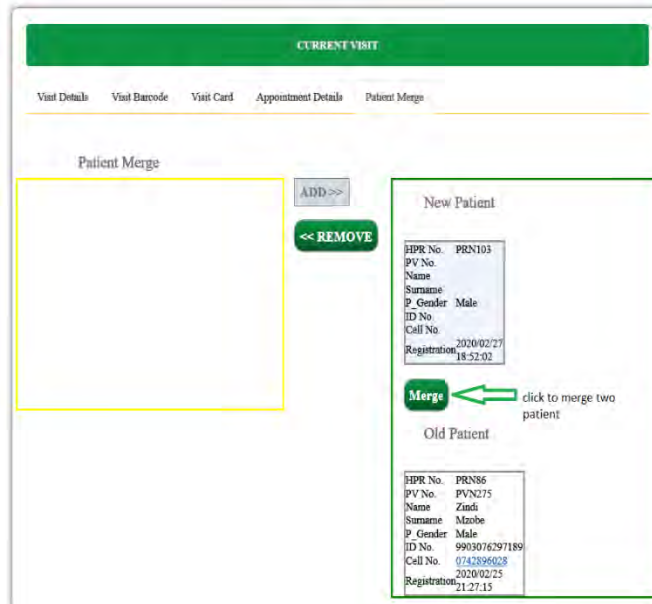


Figure 19

- If you want to find where the patient is admitted to, click the tab Admissions as shown in the below Figure 16

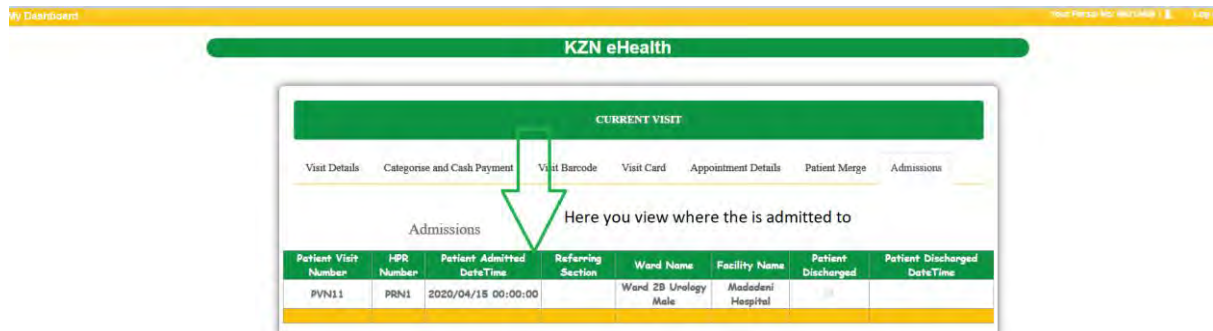


Figure 20

ADDING NEW PATIENT DETAILS

- After searching and the patient is not found, the user can add a patient. See Figure 17 below.

The screenshot shows a web interface titled "SEARCH PATIENT" with a green header. Below the header, there are two tabs: "Search" (selected) and "Alternative Search". The main content area contains three input fields: "Surname", "Date of Birth", and "Gender". Each field has a small icon to its right. Below these fields are two buttons: "Search Patient" and "Add Patient". Green callout boxes with arrows point to each of these elements, providing instructions: "Click here to search by Surname", "Click here to search by date of birth", "Click here to search by gender", "Click here to search patient", and "Click here to add patient".

Figure 21

- Upon clicking the “**Add Patient**” button you will then be directed to the page shown below in Figure 18
- On this page you are required to enter the patient details in the provided fields and select where is required as shown in Figure 18 below.
- All the fields represented by a red asterisk * are compulsory to be entered otherwise you won’t be able to proceed with patient registration. As shown in Figure 18 below.

The screenshot displays a web form titled "PATIENT REGISTRATION" with a green header. Below the header are three tabs: "Personal Details", "Contact Details", and "Next of Kin Details". The "Personal Details" tab is active. The form contains the following fields:

- Unknown:** A checkbox, currently unchecked. Below it is a red asterisk and the text "* tick checkbox if patient is unknown".
- First Name(s):** A text input field containing "Sindie".
- Surname:** A text input field containing "Mbuyiso".
- Nationality:** A dropdown menu with "South African" selected. A red asterisk is to the right of the dropdown.
- ID Number:** A text input field containing "9903041178080".
- Date of Birth:** A text input field containing "1999/03/04".
- Title:** A dropdown menu with "Miss" selected.
- Marital Status:** A dropdown menu with "Single" selected.
- Gender:** A dropdown menu with "Female" selected. A red asterisk is to the right of the dropdown.
- Race:** A dropdown menu with "African" selected. A red asterisk is to the right of the dropdown.
- Home Language:** A dropdown menu with "isiZulu" selected.

At the bottom of the form are three green buttons: "Clear", "Cancel", and "Next".

Figure 22

- Upon clicking the **“Next”** button, you will then be directed to the page shown below in Figure 19.
- On this page you are required to enter the contact details in the provided fields and select where is required as shown in Figure 19 below.

Figure 23

- Upon clicking the **“Contact Details”** tab, you will then be directed to the page shown below in Figure 20.
- Enter all the required fields as shown in Figure 20 below.

Figure 24

- Upon clicking the **“Next”** button, you will then be directed to the page shown below in Figure 21.
- On this page you are required to enter the next of kin details in the provided fields and select where is required as shown in Figure 21 below.
- Click **“Save”** button to add patient information as shown below

Figure 25

- Upon clicking “Save” you will get an alert as shown in Figure 22 below



Figure 26

- Upon clicking ‘Ok’ from Figure 22 above, you will be directed to Figure 23 below.
- The system will generate patient registration number after adding the patient as shown in Figure 23 below.

SEARCH PATIENT

Search
Alternative Search

PRN26

Click 'Select' to create a visit for a patient

Here is the Patient Registration Number

Search Patient

Click here to search patient

	HPR Number	ID Number	Title	First Name	Surname	Gender	Race	Nationality	Address	Cell No.	Edit	Files and Documents
Select	PRN26	9902041077080	Miss	Slindie	Mbuyiso	Female	African	South African	j 649 Nkanyezi Avenue	0634845178	Edit	Files and Documents

Figure 27

- If the patient loses the “Patient Visit Card”, you can re-print the visit for the patient as shown in Figure 24

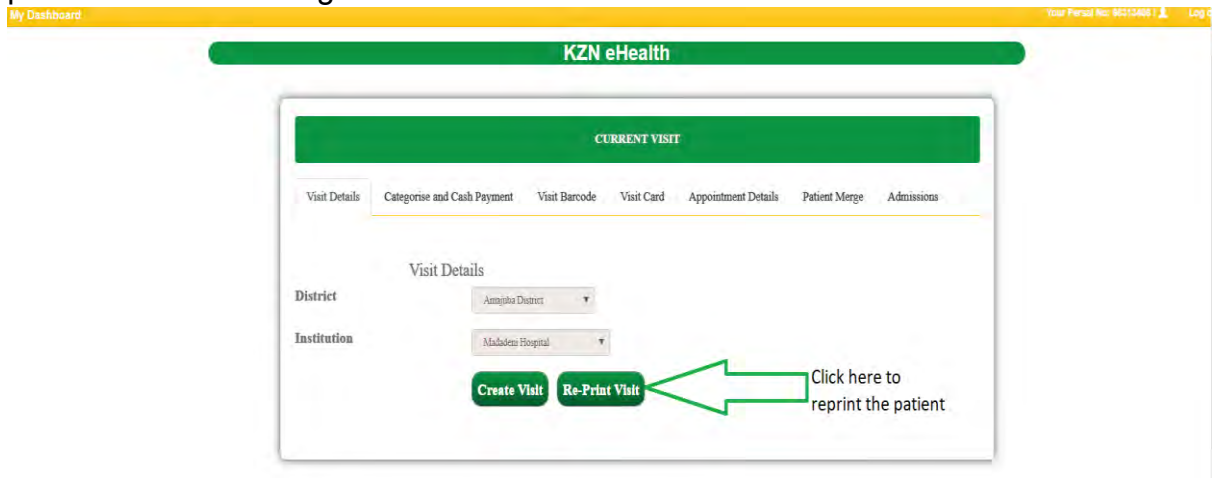


Figure 28

Printing Patient Demographics

- Search the patient using the patient registration number as shown in Figure 25.
- Click ‘**Demographics**’ button to print patient demographics as shown in Figure 25 below.

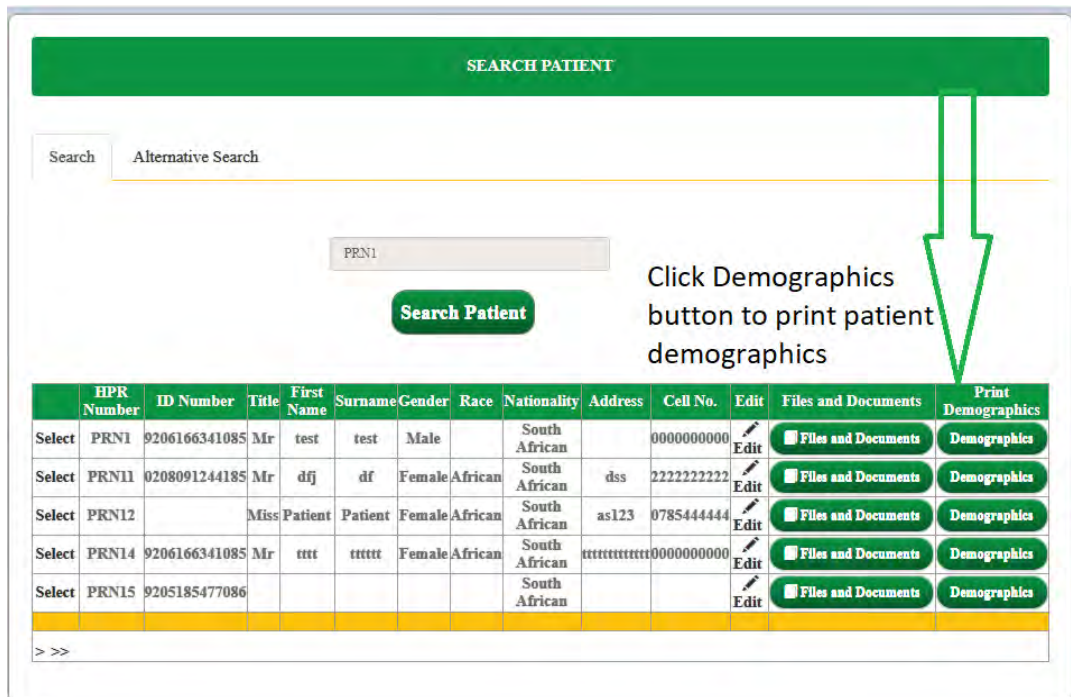



Figure 29

- Upon clicking “**Demographics**” button you will be directed to page shown in Figure 26.
- Click the “**Print**” button to print patient demographics as shown in Figure 26 below.

PATIENT DEMOGRAPHICS



health

Department:
Health
PROVINCE OF KWAZULU-NATAL

PATIENT DEMOGRAPHICS

Hospital	<input type="text" value="PRINCE MSHIVENI HOSPITAL"/>
PRN	<input type="text" value="PRN26"/>
<i>Personal Details</i>	
Surname	<input type="text" value="MBUYISO"/>
First Name (s)	<input type="text" value="SLENDIE"/>
Gender	<input type="text" value="FEMALE"/>
Address	<input type="text" value="1 649 NKANYEZI AVENUE"/>
Cellphone Number	<input type="text" value="0634845178"/>
Number of dependent children	<input type="text"/>
<i>Next of Kin Details</i>	
Name	<input type="text" value="ZAMO BELE"/>
Relationship	<input type="text"/>
Contacts	<input type="text" value="0647198877"/>
Clerk Name	<input type="text" value="LUKA DONCIC"/>

Print
Back

Figure 30

6.2 ENROLLED NURSE/ PROFESSIONAL NURSE HOME PAGE

Refer to login section for logging in Figure 1. (Landing pages are associated with your user level)

This page contains:

- Nurse`s Dashboard in Figure 31)
 - Used to demonstration what a Nurse can do
- Record Admission
 - Used to record every patient that has been admitted
- Assessment Form
 - Used to add or enter some assessment from a patient
- Vitals
 - Used to add a patient Vital Signs
 - Used to add nurse`s notes for a patient
- Free Bed
 - Used to release a bed after a patient has been admitted

Nurse`s Dashboard

- Click on “**Admission Record**” icon to record admissions
- Click on “**Assessment Form**” icon to fill in the assessment form
- Click on “**Vitals**” icon to add patient vital signs and nurse`s notes
- Click on “**Urinalysis**” icon to record the urinalysis
- Click on “**Files and documents**” icon to upload files or documents
- Click on “**Free Bed**” icon to release the bed after patient has been discharged
- Click on “**A&E Vitals**” icon to add vital signs where patient is at casualty

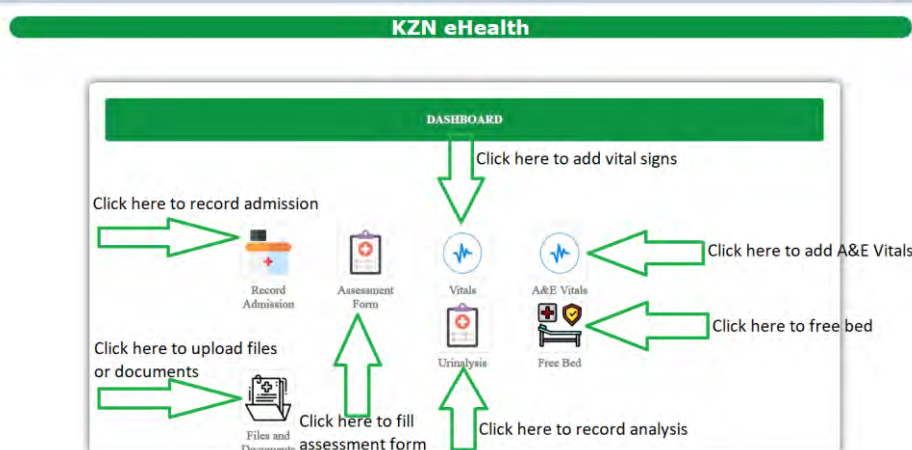


Figure 31

ADMISSION RECORD

- Here you search a patient that has been admitted by the doctor, using their Patient visit number as shown in Figure 32.

The screenshot shows the 'KZN eHealth' header at the top. Below it is a 'PATIENT ADMISSION' form. The form has a 'Patient Visit Number' label on the left. To its right is a text input field containing 'PVN264'. A green arrow points from the text 'Type here Patient visit number' to the input field. Below the input field are two buttons: 'Cancel' and 'Search'. A green arrow points from the text 'Click Here to search' to the 'Search' button.

Figure 32

- Upon Clicking “**Search**” button you will be directed to the page shown in Figure 33 below.
- You then view patient details and click button “**Record Admission**” as shown in Figure 33.

The screenshot shows a patient admission details page. It features a table with the following data:

Admission Number	57
Patient Visit	PVN278
HPR Number	PRN90
Patient First Name	Jack
Patient Surname	Bally
Section	asfaf
Type of case	1
Admission Diagnosis	agfeta
Ward Name	Ward 1A Regional Medical Male
Bed Type	Isolation
Admitted MO	
Patient Discharged	<input type="checkbox"/>

Below the table is a pagination control showing '1 2 3 4 5 6 7 8 9 10 ...'. A green arrow points from the text 'Click here to Record admission' to a 'Record Admission' button at the bottom of the page.

Figure 33

- Upon clicking **“Record admission”** will you be directed to a pop up screen shown in Figure 34 below.
- Click **“OK”** to confirm that you want to record admission.

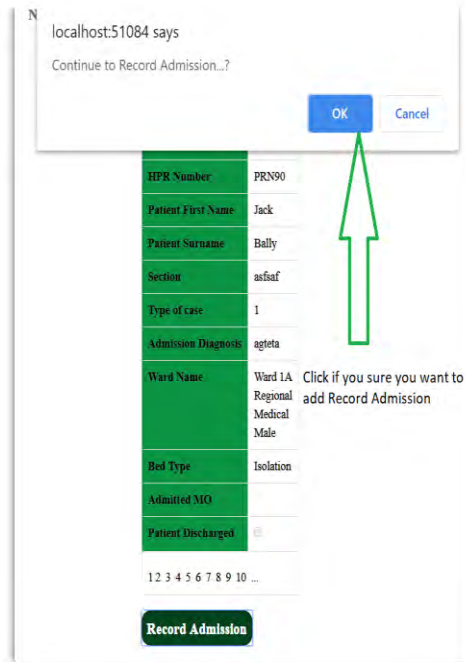


Figure 34

Vitals Sign

- First click on “**Vitals**” icon to add patient vital signs as shown in Figure 35 above.
- To add vitals, you need to search a patient first using their Patient visit number as shown in Figure 35

rd Hello, 22222222 Log off

KZN eHealth

VITAL SIGNS

PVN Number PVN284 Type here the patient visit number

Click here to cancel your search Cancel Search Click here to search

Figure 35

- Click “**Select**” on table shown in Figure 36 to add patient vital signs

VITAL SIGNS

PVN Number PVN284 Click here to select patient

Cancel Search

Select	HPR Number	Patient First Name	Patient Surname	Patient Visit	Patient Record Number
Select	PRN84	Sabela	Zwane	PVN284	284

Figure 36

- Fills all the required fields to complete patient vital sign as demonstrated in Figure 37.
- After clicking “**Calculate**”, any colour should appear as for triaging a patient and you will then click on “**Submit**” to add patient vitals.

Mobility	Walking
Respiratory	54
Heart rate	56
Systolic BP	79
Diastolic BP	120
Temperature	38
Mental Status	Alert
O ₂ Saturated	45

Red

Cancel Calculate Submit

Click 'Submit' to save vitals

Figure 37

Nurse's Notes

- To add notes, you first select **“Add vitals”** Icon as shown in Figure 38 above.
- Upon selecting **“add vitals”** icon, you will be direct to the page shown in Figure 38 below:
 - Enter a patient PVN
 - Search for patient

My Dashboard

KZN eHealth

VITAL SIGNS

PVN Number: P03014

Cancel Search

Enter PVN

Click to search

Click to cancel

Figure 38

- Upon clicking **“Search”** button, you will be directed to the page shown in Figure 39 below
- Select **“Nurse note”** to add notes

My Dashboard

KZN eHealth

VITAL SIGNS

PVN Number: P03014

Cancel Search

Select	PVN Number	Patient First Name	Patient Surname	Patient ID#	Patient Record Number	Vitals
	P03014	Dorshan	Mhlembe	P03014	214	

Select to add notes

Figure 39

- Upon **“Nurse note”** you will be directed to the page show in Figure 40 below
- Click **“Search”** button to find patient record to add notes on.

Figure 40

- Upon selecting **“Search”** button, you will be directed to the page shown in Figure in 41 below.
- Select a department you are currently in as shown in Figure 41 below

Figure 41

- Upon selecting a **“Department”** you will be directed to the page shown in Figure 42 below
- Click on **“Select”** to add your own note or view history notes added by a doctor or other nurses.

Nurse's Note

PRN/ ID Number: PRN344

PVN: PVN442

Search

Select Department: Casualty

	HPR Number	Patient Registration Number	Patient Identity Number	Patient First Name	Patient Lastname	Patient Gender
Select	PRN344	344		Ngobile	Hlephe	

Select to View patient history and add notes

Figure 42

- Upon clicking **“Select”** you will be directed to the page shown in Figure 43 below.

History Menu

MDDP Assessment | Vitals | Prescriptions | Blood Tests | X-Ray Reports | Admissions | Notes

Findings: Show History

Treatment: Show History

Progress: Show History

Notes: Show History

Save Note **Add Vitals**

Figure 43

- Select “Notes” tab to view history notes written by doctors and nurses for the patient as show in Figure 44 show below.

The screenshot displays a medical software interface with the following sections:

- Navigation Bar:** MOAP Assessment, Vitals, Prescriptions, Blood Tests, X-Ray Reports, Admissions, **Notes** (highlighted with a green arrow and text: "Select to view note history and add notes").
- Notes Header:** Notes, * Edited Notes
- My Notes:** A table with columns: Call, Patient ID, Patient Name, Employee Name, Employee License, Patient Record, Facility Name, Ward Name, STD ID, Condition Category, Diagnosis, Medical Note, Medical Finding, Medical Treatment, Medical Progress.
- Doctor's Notes:** A table with columns: Patient ID, Employee Name, Employee License, PE Date/Time, Facility Name, Ward Name, STD ID, Condition Category, Diagnosis, Medical Note, Medical Finding, Medical Treatment, Medical Progress.
- Nurse's Notes:** A table with columns: Patient ID, Employee Name, Employee License, PE Date/Time, Facility Name, Ward Name, STD ID, Condition Category, Diagnosis, Medical Note, Medical Finding, Medical Treatment, Medical Progress.
- Original Notes:** A table with the same structure as the 'My Notes' table.
- Current Patient Document:** A table with columns: Patient Name, Patient Summary, Department, Notes, Document Name, Employee, Date Uploaded.
- Old Patient File:** A table with columns: Patient Name, Patient Summary, STD Name, Employee, Date Uploaded.

Figure 44

In Figure 45 below:

- **My Notes:**
 - These are the notes you have saved for a patient (**refer from Figure 44 above**)
 - You can edit the notes by clicking “**Edit notes**” and please not that you can only edit your own notes.
 - Edited notes are represented by a green asterisk (*).
 - If you edit notes, the original notes are stored in “**Original tab**” as show in Figure 46 below.
- **Doctor’s Notes:**
 - These are the notes written by doctors for the patient.
 - Edited notes are represented by a green asterisk (*).
- **Nurse’s Notes:**
 - These are the notes written by other nurses.
 - Edited notes are represented by a green asterisk (*).

MORF Assessments Vitals Prescriptions Blood Tests X-Ray Reports Admissions Notes

Notes
* Edited Notes

My Notes

Edit	Patient Visit	IPR Number	Employee Name	Employee Lastname	PR	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress
	PINDM090112	Tina	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital	230	ADUTE LUNG - BRONCHITIS	MEDICAL	will prescribe anti	Fever	Fever pills	48H good	
	PINDM090112	Tina	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital	231	ADUTE LUNG - PNEUMONIA	MEDICAL	Will admit and make	lung infection	fluids	58H in good shape	
	PINDM090112	Tina	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital	230	ADUTE LUNG - BRONCHITIS	MEDICAL	Follow up appointment	lung infection	lung treatment	Progress	
	PINDM090112	Lee	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital	218	ADUTE LUNG - PNEUMONIA	MEDICAL	Treatment now	fever, loss	Treatment now	Treatment now	
	PINDM090112	Tina	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital	0	AUXILIARY PROCEEDING DISORDERS	PSYCHOLOGY AND ENT	Good Home Letts	Weak Findings	Weak Treatment	Weak Progress	

These are doctor's notes

Green asterisk represent edited notes

These are nurse's notes

Nurse's Notes

Edit	Patient Visit	IPR Number	Employee Name	Employee Lastname	PR	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress
	PINDM090112	Lee	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital		Medical Disposition - ACRO (Available everyday)			Notes Today	Lung infection today	fluids, pills	Progress Today
	PINDM090112	Lee	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital		Surgical Out Patient Inpt - SPO (Monday and Thursday 07:00 - 13:00)			My Notes one	my findings one	My treatment	My progress one
	PINDM090112	Lee	Alvarez	2020-03-04 01:56:55 PM	Hospital	Hospital		Medical Disposition - ACRO (Available everyday)			Notes here	Findings here	Inpt	58H good
	PINDM090112	hepy	epda	2020-03-04 01:56:55 PM	Hospital	Hospital		Surgical Out Patient Inpt - SPO (Monday and Thursday 07:00 - 13:00)			HPF	BTBT T 2222	BT	BPBP
	PINDM090112	Hingap	duh	2020-03-05 12:42:14 PM	Hospital	Hospital		Casualty			PATIENT CAME WITH THE HISTORY OF ASSAULTS	HEAR BLOOD PRESSURE	MANAGEMENT	HEALTHY

Figure 45

In Figure 46 below:

- **Original Notes**
 - When you edit note as explained above (refer to “My notes”) original notes are stored in “Original notes”.
- **Current Patient Document**
 - This is where documents that belong to the patient such as forms that are not part of the system which are manually filled are stored and viewed.
- **Old Patient File**
 - Patient old files are stored and viewed here

Original Notes														
Edit	Patient Visit	IPR Number	Employee Name	Employee Lastname	PR	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress

This is where original notes are stored

Current Patient Document						
Patient Name	Patient Surname	Department	Notes	Document Name	Employee	Date Uploaded

Current documents

Old Patient File						
Patient Name	Patient Surname	File Name	Employee	Date Uploaded		
Gershon	Matomane	Screenshot for Nurse.docx	Sham	2020-03-03 12:19:31 PM		View
Gershon	Matomane	Pat.txt	Sham	2020-03-03 04:44:26 PM		View
Gershon	Matomane	KZN eHealth Phase 1.docx	Gershon	2020-03-04 01:52:56 PM		View
Gershon	Matomane	cod2.txt	SICELOKHALE BONGIWE	2020-03-05 09:20:00 PM		View

Select to view patient old file

Figure 46

- Adding your own notes (as shown in Figure 47 below):
- Fill your note as instructed below.
- Click **“Save note”** button to save your notes.

The screenshot shows a form with four sections: Findings, Treatment, Progress, and Notes. Each section has a text input field with a placeholder label (e.g., 'Enter findings'). A green arrow points from the text 'Enter findings' to the input field. Below the input fields is a green 'Save Note' button with a green arrow pointing to it from the text 'Click to save notes'.

Figure 47

- Upon selecting **“Save note”** you will get an alert as shown in Figure 48 below.
- Click **“OK”** to continue saving notes.

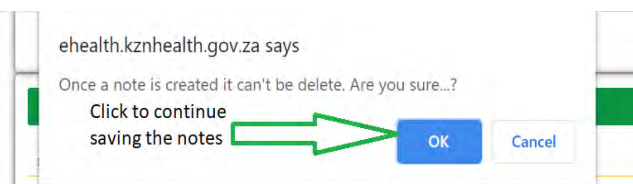


Figure 48

- You can add new or another notes by clicking “**New Note**” button as shown in Figure 49 below.

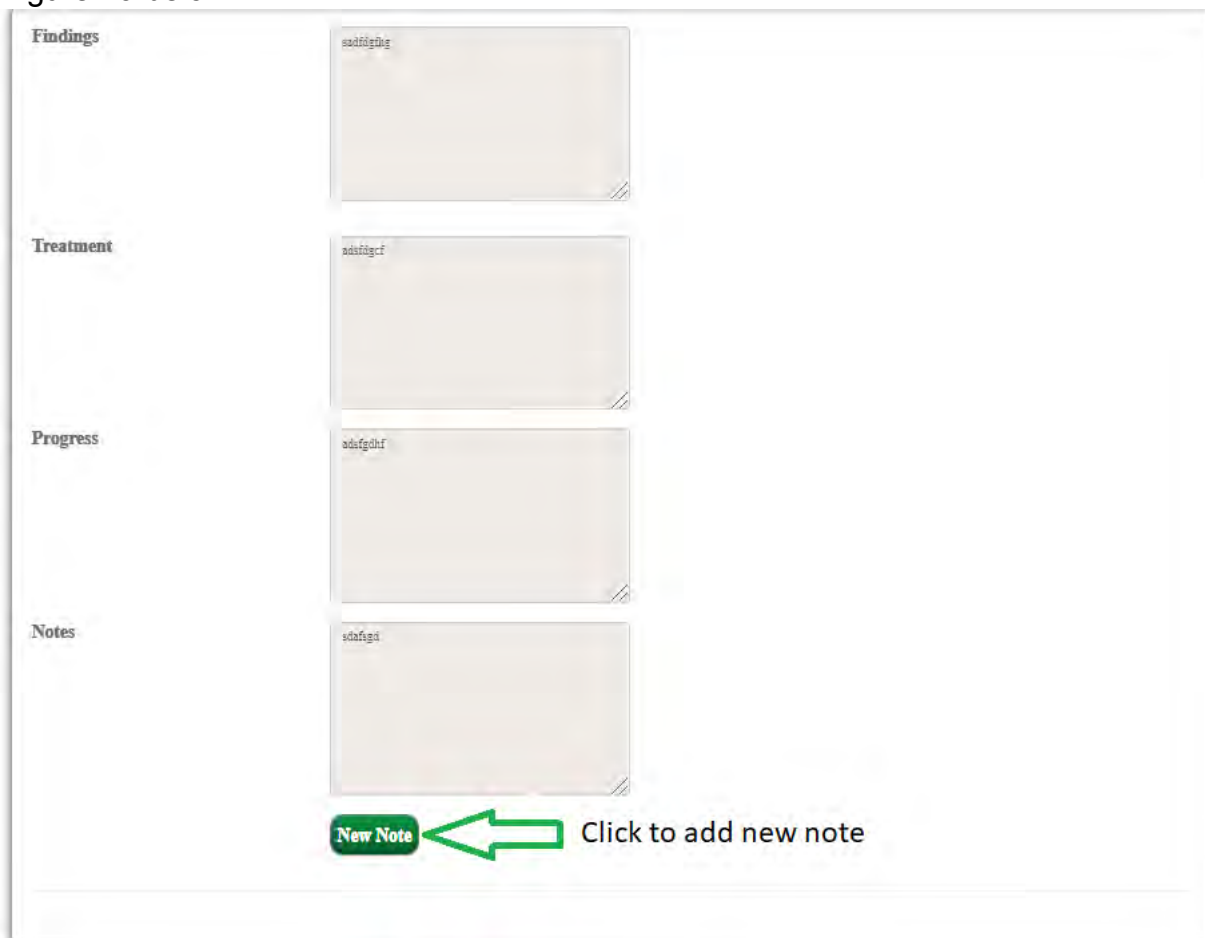


Figure 49

Uploading documents

- To upload documents, on the nurse’s dashboard select “**File and documents**” icon as shown in Figure 50 below

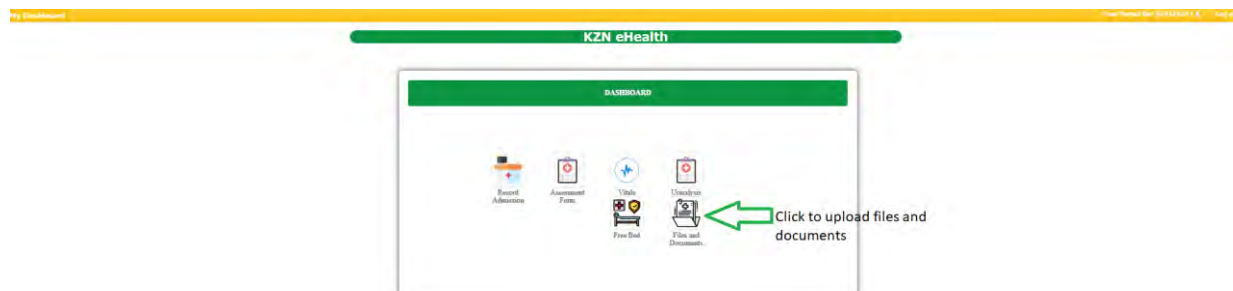


Figure 50

- Upon selecting **“File and documents”**, you will be directed to the page shown in Figure 51 below.
- Search for a patient record as shown below.

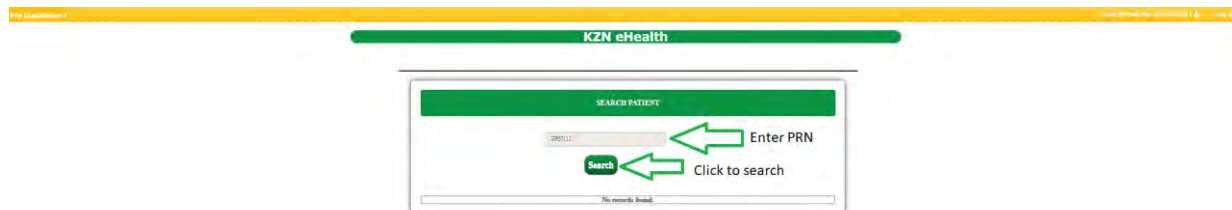


Figure 51

- Upon click **“Search”** button if a patient is found, patient documents will be displayed as shown in Figure 52 below.
- To upload a File or document, select **“Files and Documents”** as shown below.

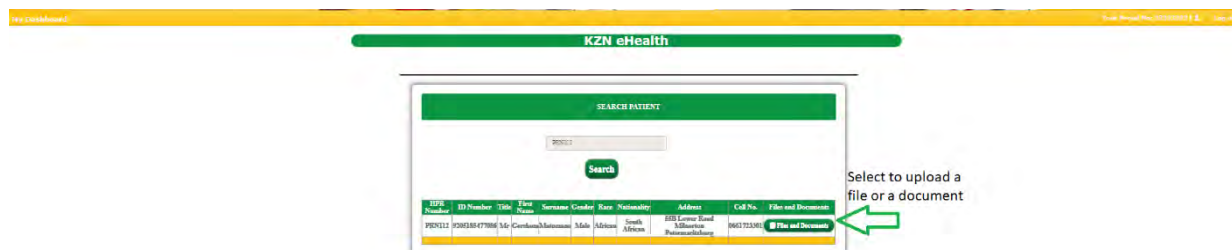


Figure 52

- Upon selecting **“Files and Documents”**, You will be directed to the page shown in Figure 53 below
- Click and select the kind of document (whether it is an old file or new document)
- Then click **“choose file”** to choose and upload a file or document as shown in Figure 53 below.

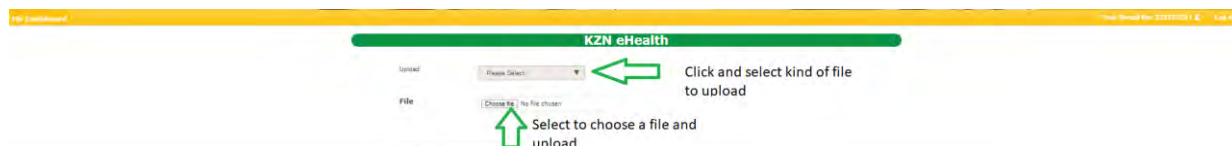


Figure 53

Assessment Form

- To fill the assessment form, select “**Assessment Form**” as shown in figure 54 below

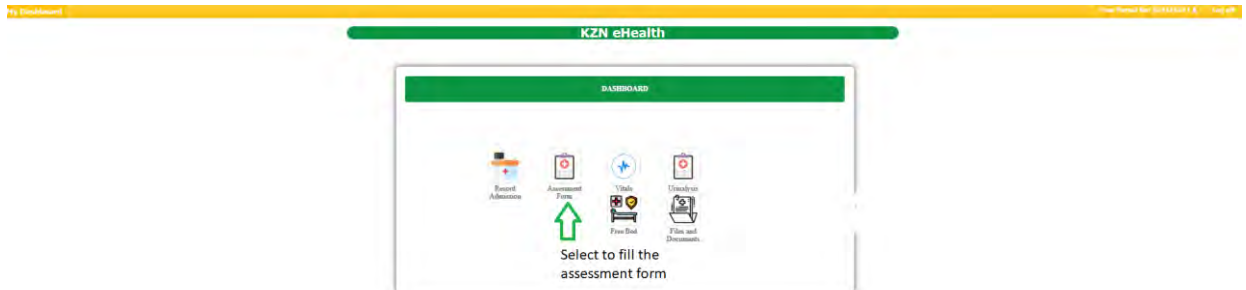


Figure 54

- Search for a patient record as shown in Figure 55 below

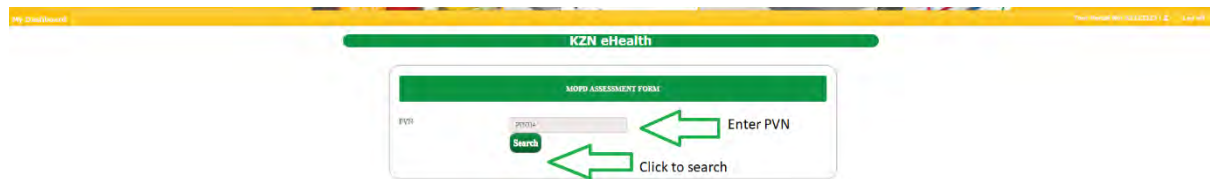


Figure 55

- Upon clicking “**Search**” button, Patient record is displayed as show in Figure 56 below
- Click on “**Select**” to continue (Filling the assessment form) as shown in Figure 56

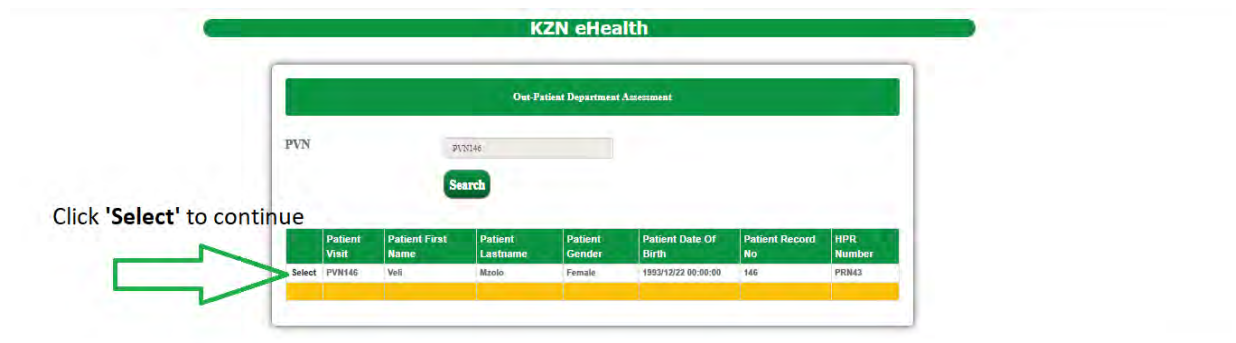


Figure 56

- Upon clicking “Select” you will be directed to the page shown in Figure 57 below
- Click “View Patient History” to view history for the patient as shown in Figure 57 below
- Fill in the assessment form as shown in Figure 57 below

OUT-PATIENT DEPARTMENT ASSESSMENT FORM		
VITAL SIGNS TIME: 2020/06/10 10:52:47	HEALTH PROMOTION	
BMI: _____ W: _____ L: _____	EYE TEST <input type="checkbox"/>	
BP: _____ / _____ P: _____ R: _____ BS: _____ OTHER: _____	PAP SMEAR DONE <input type="checkbox"/>	
GCS: _____	MMC: <input type="checkbox"/>	
TB SCREENING: _____	HIV SCREENING: _____	FAMILY PLANNING: _____
SUSPECT <input type="checkbox"/>	TESTED <input type="checkbox"/>	TYPE OF METHOD: _____
ALLERGIES: _____		
MEDICATION: _____	FOOD: _____	OTHER: _____
REFERRED BY (PRC): _____	ACCOMPANIMENT (Accompanied): _____	MOBILITY (Walks): _____
NUTRITIONAL STATUS Well <input type="checkbox"/> Malnourished <input type="checkbox"/> Obese <input type="checkbox"/> Dehydrated <input type="checkbox"/> Emaciated <input type="checkbox"/>	HABITS Smoking <input type="checkbox"/> Drugs <input type="checkbox"/> Alcohol <input type="checkbox"/> Exercise <input type="checkbox"/>	PSYCHOLOGICAL STATUS Calm <input type="checkbox"/> Stressed <input type="checkbox"/> Anxious <input type="checkbox"/> Depressed <input type="checkbox"/>
SOCIAL HISTORY Single <input type="checkbox"/> Married <input type="checkbox"/> Divorced <input type="checkbox"/> Widow <input type="checkbox"/> Grant <input type="checkbox"/> Employed <input type="checkbox"/> Unemployed <input type="checkbox"/> Pensioner <input type="checkbox"/> Student <input type="checkbox"/>	HEALTH HISTORY Hypertension <input type="checkbox"/> Diabetes <input type="checkbox"/> Thyroid <input type="checkbox"/> TB <input type="checkbox"/> Gout <input type="checkbox"/> Asthma <input type="checkbox"/> Cardiac <input type="checkbox"/> Epilepsy <input type="checkbox"/> Lung Disease <input type="checkbox"/> Other <input type="checkbox"/>	FAMILY HISTORY Hypertension <input type="checkbox"/> Diabetes <input type="checkbox"/> Thyroid <input type="checkbox"/> TB <input type="checkbox"/> Gout <input type="checkbox"/> Asthma <input type="checkbox"/> Cardiac <input type="checkbox"/> Epilepsy <input type="checkbox"/> Lung Disease <input type="checkbox"/> Other <input type="checkbox"/>
Language: _____ Religion: _____	CURRENT MEDICATION: _____	CURRENT COMPLAINTS: _____
SURGICAL HISTORY: _____	SKIN INTEGRITY Intact <input type="checkbox"/> Broken <input type="checkbox"/> Wound <input type="checkbox"/> Rash <input type="checkbox"/> Other <input type="checkbox"/>	CONCERNS: _____
ASSESSMENT OF PAIN NIL <input type="checkbox"/>	EDUCATED ON PATIENTS RIGHTS <input type="checkbox"/>	TB SCREENING Cough of 2 weeks or more or any duration if HIV positive <input type="checkbox"/> Drenching night sweat <input type="checkbox"/> Unexplained weight loss > 1,5kg in a month <input type="checkbox"/> Fever for 2 weeks or more <input type="checkbox"/>
HEALTH EDUCATION GIVEN: _____	NURSING PROCESS: _____	Time In 2020/06/10 10:52:47 SANC Number HTRI333333

Request Urinalysis Click to request or else just save	Save
--	------

Click here to request Urinalysis

Click here to save

Figure 57

- Upon clicking **'Request Analysis'** button, you will be directed to the pop up as shown in Figure 58

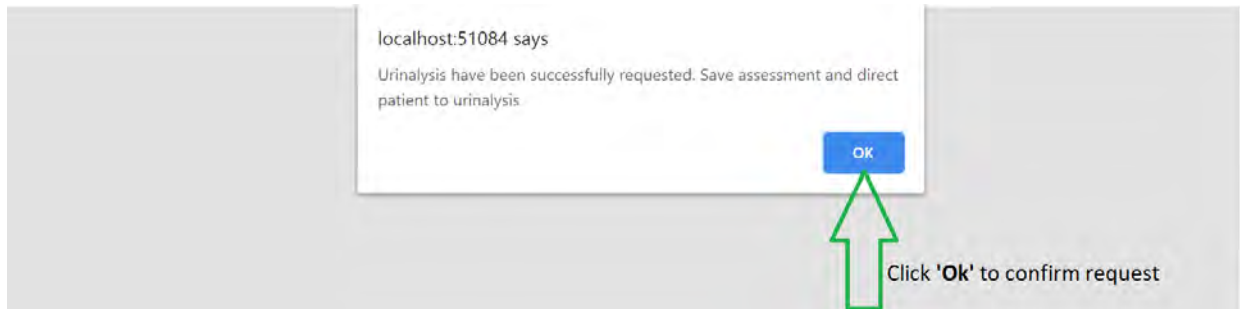


Figure 58

- Upon clicking **'Save'** button, a pop up alert to confirm to save assessment as shown in Figure 59



Figure 59

- Upon clicking **"View Patient History"** you will be directed to page shown in Figure 60 below to view history

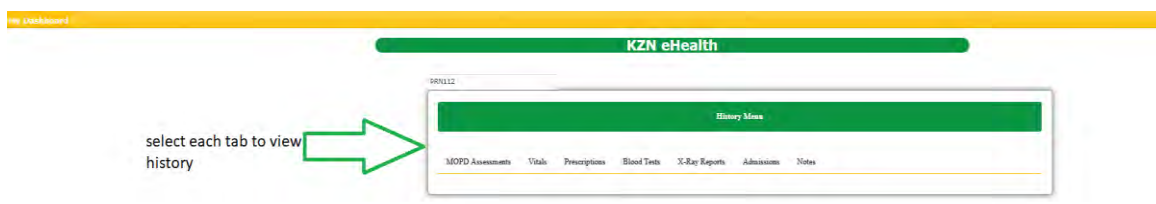


Figure 60

In Figure 61 below:

- Continuation of the assessment
- Click **“Request Urinalysis”** button to request urinalysis for the patient.
- Click **“save”** button to save the assessment.



GCS: <input type="text"/>		MMC: <input type="text"/>
TB SCREENING:	HIV SCREENING:	FMILY PLANNING:
SUSPECT: <input type="checkbox"/>	TESTED: <input type="checkbox"/>	TYPE OF METHOD: <input type="text"/>
ALLERGIES		
MEDICATION <input type="text"/>	FOOD <input type="text"/>	OTHER <input type="text"/>
REFERRED BY <input type="text" value="PHC"/>	ACCOMPANIMENT <input type="text" value="Accompanied"/>	MOBILITY <input type="text" value="Walking"/>
NUTRITIONAL STATUS Well <input type="checkbox"/> Nourished <input type="checkbox"/> Obese <input type="checkbox"/> Dehydrated <input type="checkbox"/> Emanciated <input type="checkbox"/>	HABITS Smoking <input type="checkbox"/> Drugs <input type="checkbox"/> Alcohol <input type="checkbox"/> Exercise <input type="checkbox"/>	PSYCHOLOGICAL STATUS Calm <input type="checkbox"/> Stressed <input type="checkbox"/> Tearful <input type="checkbox"/> Anxious <input type="checkbox"/> Depressed <input type="checkbox"/>
SOCIAL HISTORY Single <input type="checkbox"/> Married <input type="checkbox"/> Divorced <input type="checkbox"/> Window <input type="checkbox"/> Grant <input type="checkbox"/> Employeed <input type="checkbox"/> Unemployed <input type="checkbox"/> Pensioner <input type="checkbox"/> Student <input type="checkbox"/>	HEALTH HISTORY Hypertension <input type="checkbox"/> Diabetes <input type="checkbox"/> Thyroid <input type="checkbox"/> TB <input type="checkbox"/> Gout <input type="checkbox"/> Asthma <input type="checkbox"/> Cardiac <input type="checkbox"/> Epilepsy <input type="checkbox"/> Lung Disease <input type="checkbox"/> Other <input type="checkbox"/>	FAMILY HISTRORY Hypertension <input type="checkbox"/> Diabetes <input type="checkbox"/> Thyroid <input type="checkbox"/> TB <input type="checkbox"/> Gout <input type="checkbox"/> Asthma <input type="checkbox"/> Cardiac <input type="checkbox"/> Epilepsy <input type="checkbox"/> Lung Disease <input type="checkbox"/> Other <input type="checkbox"/>
Language <input type="text"/>	CURRENT MEDICATION <input type="text"/>	CURRENT COMPLAINTS <input type="text"/>
Religion <input type="text"/>		
SURGICAL HISTORY <input type="text"/>	SKIN INTERGRITY Intact <input type="checkbox"/> Broken <input type="checkbox"/> Wound <input type="checkbox"/> Rash <input type="checkbox"/> Other <input type="checkbox"/>	CONCERNS <input type="text"/>
ASSESSMENT OF PAIN <input type="text" value="NIL"/>	EDUCATED ON PATIENTS RIGHTS <input type="checkbox"/>	TB SCREENING Cough of 2 weeks or more or any duration if HIV positive <input type="checkbox"/> Drenching night sweat <input type="checkbox"/> Unexplained weight loss > 1,5kg in a month <input type="checkbox"/> Fever for 2 weeks or more <input type="checkbox"/>
HEALTH EDUCATION GIVEN	NURSING PROCESS	Time In: 2020-03-10 04:47:33 PM SANC Number <input type="text"/>
<p>Click to request Urinalysis </p>		<p>Click to save </p>

Figure 61

- Upon clicking **“Request urinalysis”** you will be prompted as shown in Figure 62 below.

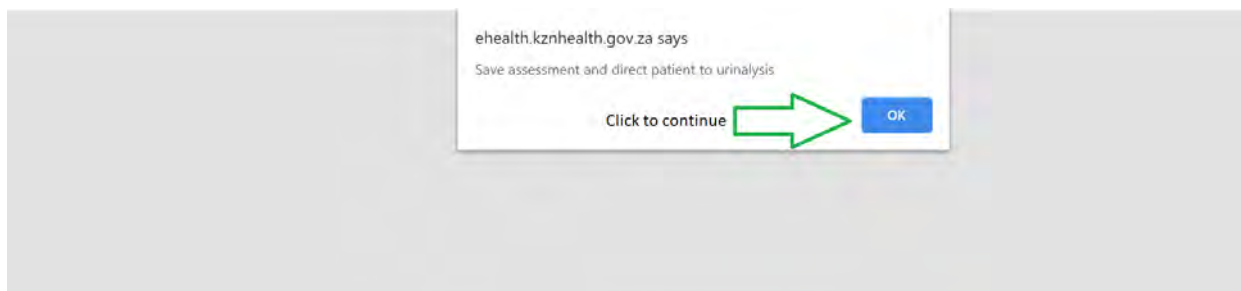


Figure 62

Urinalysis

- To do urinalysis, click “**urinalysis**” icon as shown in Figure 63 below

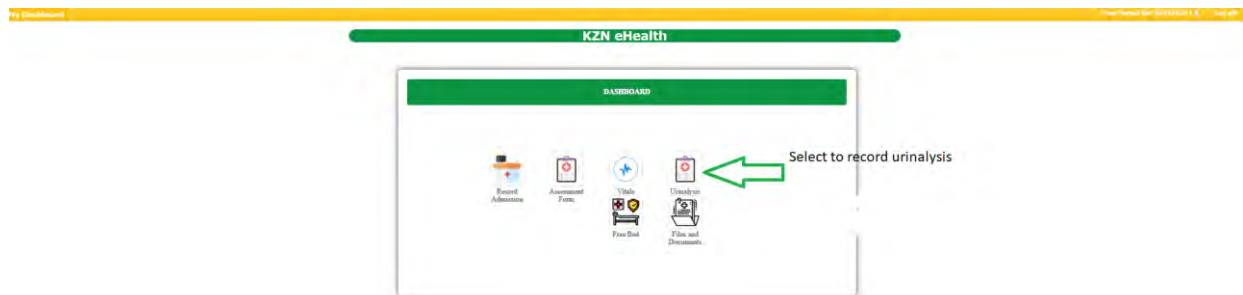


Figure 63

- Upon clicking “**Urinalysis**” you will be directed to the page shown below in Figure 64
- Search for the patient record as shown in Figure 64 below

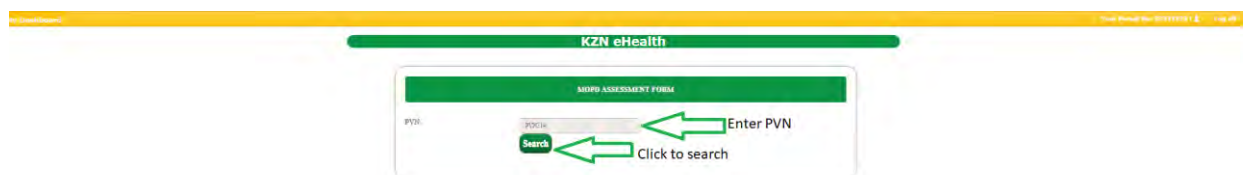


Figure 64

- Upon clicking “**Search**” button patient record will be displayed
- Click “**Select**” to continue as shown in Figure 65 below



Figure 65

- Upon clicking **“Select”** urinalysis form will be displayed as shown in Figure 66 below
- Fill in the form as shown in Figure 66 below
- Click **“save”** button to save urinalysis information of the patient

The screenshot shows a web form for entering urinalysis data. It includes the following fields: pH, KET, GLU, BLOOD, LEU, Pregnant Test, and OTHER. Each field has a corresponding input box. A green arrow points from the text 'ENTER ALL THE FIELDS AS REQUIRED' to these input boxes. At the bottom of the form is a green 'Save' button.

Figure 66

- Upon clicking **“Save”** button you will get an alert as shown in Figure 67 below
- Click **“OK”** button to continue saving urinalysis as shown below

The screenshot shows a confirmation alert dialog box. The dialog text is 'localhost:51084 says Continue to save urinalysis..?'. It has 'OK' and 'Cancel' buttons. Below the dialog is a table with patient information. A green arrow points to the 'OK' button with the text 'Click 'OK' to continue'.

	Patient Visit	Patient Name					Medical Out Patient ID
Select	PVNI46	Veli	Mzolo	Female	1993/12/22 00:00:00	46	15

Figure 67

Free Bed

- To free a bed, you first need to search a patient that has been discharge using their Patient Registration number as show in Figure 68

KZN eHealth

FREE BED

PRN Number Type here Patient Registration Number

Click here to Search

Figure 68

- Upon clicking **“Search”** button patient record will be displayed as shown in Figure 69 below
- Click **“Select”** to free the bed as shown below

KZN eHealth

FREE BED

PRN Number Type here Patient Registration Number

Click here to select patient

	Admission Number	Ward ID	Patient Visit	I-PR Number	Patient Admitted Date/Time	Admitted MO	Section	Diagnostic Category	Condition Category	ICD 10 Code	Admission Diagnosis	Ward Name	Facility Name
Select	79	1620	PVN306	PRN86	2020/02/28 16:00:41	Luke Dancic	CHKSFASOFLASBJC	NONE	NONE	NONE	GHOUJ_VUJXGBAB	Ward 2C Orthopaedic Male	Madada Hospital

Figure 69

- Upon clicking **“Select”** the **“Free bed”** button will be displayed as shown in Figure 70 below
- Click **“Free bed”** button to release a bed as shown in Figure 70

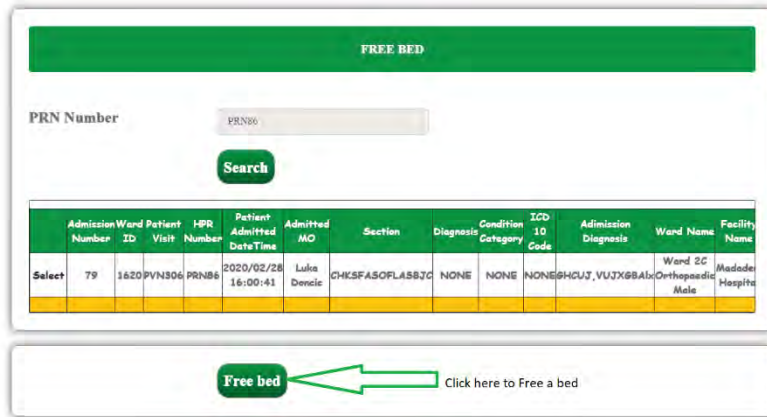


Figure 70

- Upon clicking **“Free bed”** button the patient record will be removed from the table as shown in Figure 71 below



Figure 71

A&E VITALS

- To add patient vital signs at casualty, you first search patient using their patient visit number(PVN) as shown in Figure 72 below

KZN eHealth

SEARCH PATIENT

PVN

Enter PVN Number

Enter patient visit number here

Search

Click here to search patient

Figure 72

- Upon clicking “**Search**” button you will be directed to the page shown below in Figure 73
- Click “**Select**” to add patient vital signs as shown in Figure 73

KZN eHealth

SEARCH PATIENT

PVN

PVN965

Click select to add vitals

Search

Select	HPRNumber	P_First_Name	P_LastSurname	PatientVisit	P_RecNo
Select	PRN811	Ayabongwa	Khoza	PVN965	965

Figure 73

- Upon clicking “**Select**”, A&E triage page will be displayed as shown in Figure 74
- Enter all the required fields as shown in Figure 74

The screenshot shows a web interface for A&E triage. At the top, there is a green header bar. Below it, a navigation menu contains tabs for 'Vitals', 'Tests', 'Actions', and 'Color Codes Guides'. The 'Vitals' tab is active. The form consists of several input fields on the left and a result area on the right. The input fields are: 'Specify Triage Type' (dropdown menu with 'Adult Triage' selected), 'Mobility' (dropdown menu with 'Walking' selected), 'Respiratory' (text input with '67'), 'Heart Rate' (text input with '78'), 'Systolic BP' (text input with '78'), 'Diastolic BP' (text input with '89'), 'Temperature' (text input with '37'), 'Mental Status' (dropdown menu with 'Alert' selected), and 'Trauma' (dropdown menu with 'No' selected). Below these fields is a green 'Calculate' button. The result area on the right is enclosed in a green dotted border and contains the text 'Acute Medical Emergency' and 'Adult Triage Score' in green italics.

Figure 74

- Click 'Tests' tab, and fill in all the required fields as shown in Figure 75

The screenshot shows a web interface for 'A&E TRIAGE'. At the top is a green header with the text 'A&E TRIAGE'. Below the header are four tabs: 'Vitals', 'Tests', 'Actions', and 'Color Codes Guides'. The 'Tests' tab is selected. The form contains five rows of test results, each with a label on the left and an input field on the right:

Test Name	Value
Blood Glucose	140mg
Oxygen Sats	79
Hb	7
Urine dipstix	10mg
Pregnancy test	negative

Figure 75

- Click **'Actions'** tab, and fill in all the required fields as shown in Figure 76

Vitals	Tests	Actions	Color Codes Guides
Oxygen		<input type="text" value="Enter Oxygen"/>	
Oral Glucose		<input type="text" value="Enter Oral Glucose"/>	
Paracetamol		<input type="text" value="Enter Paracetamol"/>	
ECG		<input type="text" value="Enter ECG"/>	
Direct Pressure		<input type="text" value="Enter Direct Pressure"/>	
Blankets		<input type="text" value="Enter Blankets"/>	
Comment		<input type="text" value="Enter Comment"/>	
Triage History		<input type="text"/>	
Final Triage Score		<input type="text" value="Please Select"/>	

Figure 76

- Click 'Color Codes Guides' tab to view the colour codes guides as shown in Figure 77

Vitals Tests Actions Color Codes Guides					
Infant Less Than 3 Years (smaller than 95cm)		Child 3-12 Years (95-120cm)		Adult Triage	
Colour	Red	Orange	Yellow	Green	Blue
T-Score	7 or More	5 to 6	3 to 4	0 to 2	
Target time to treat	Immediate	Less than 10min	Less than 60min	less than 240 min	
Mechanism of injury		High energy / falls			
PRESENTATION	Drooling	Stridor		ALL GREEN	DEAD
		Stridor			
		Wheezing			
		Hemorrhage - uncontrolled	Hemorrhage - controlled		
	Seizure - General	Seizure - partial			
		Focal Neurology - acute			
		Reduced LOC			
		Exhaustion			
		Pupils			
	Dislocation - other joint	Dislocation - finger or toe			
	Fracture - compound	Fracture - closed			
	Burn / lacer / penetration	Burns - over 10%	Burn - other		
		Burns - electrical			
		Burns - circumferential			
		Burns - chemical			
	Drowning/overdose	Abdominal Pain			
Hypernatremia/2	Diabetic - glucose over 11 + ketones	Diabetic - glucose over 17 no ketons			
	PR bleeding	Vomiting - persistent			

Figure 77

- Click **'Vitals'** tab in Figure 78
- Click **'Calculate'** button to produce the triage colour as shown in Figure 78

The screenshot shows a web-based triage calculation interface. At the top, there are four tabs: 'Vitals', 'Tests', 'Actions', and 'Color Codes Guides'. The 'Vitals' tab is selected. Below the tabs, there are several input fields for patient data:

- Specify Triage Type:** A dropdown menu set to 'Adult Triage'.
- Mobility:** A dropdown menu set to 'Walking'.
- Respiratory:** A text input field containing '67'.
- Heart Rate:** A text input field containing '78'.
- Systolic BP:** A text input field containing '78'.
- Diastolic BP:** A text input field containing '89'.
- Temperature:** A text input field containing '37'.
- Mental Status:** A dropdown menu set to 'Alert'.
- Trauma:** A dropdown menu set to 'No'.

Below these fields is a green button labeled 'Calculate'. To the right of the input fields, a large orange rectangular area displays the result of the calculation. The text within this area reads: 'Immediate', 'Drooling', and 'Stridor, Seizure-current, Burns to face, Hypoglycaemia < 3'.

Figure 78

6.3 MEDICAL DOCTOR/MEDICAL INTERN DOCTOR HOME PAGE

Refer to login section for logging in Figure 1. (Landing pages are associated with your user level)

This page contains:

- **Doctor`s Dashboard (in Figure 79)**
 - Used to demonstration what a Doctor can do
- **Consultation**
 - Used for adding notes
 - Used for adding vitals
 - Used for Admit Patient
 - Used for referring a patient to another facility or within the institution
 - Used for making appointments
 - Used for requesting blood
 - Used for Radiology services
 - Used for making prescription
- **Lab Orders**
 - Used to add or enter some assessment from a patient
- **Discharge**
 - Used to discharge a patient

Doctor`s Dashboard

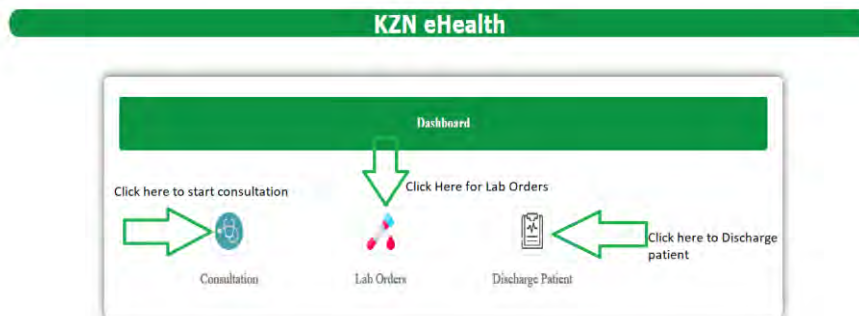


Figure 79

Consultation

Adding Notes

- Upon clicking “**Consultation**” from the dashboard shown in Figure 80 above, you will be directed to the page show in Figure 81 below.
- To do note, search for a patient using patient registration number and patient visit number and click “**Search**” button to search patient as shown in Figure 81

The screenshot shows the 'Doctor's Note' page in the KZN eHealth system. At the top, there is a yellow navigation bar with 'My Dashboard' on the left and 'Home | Profile | Mail | 067532687 | Log off' on the right. Below this is a green header with 'KZN eHealth'. The main content area has a green title bar 'Doctor's Note'. Below the title bar, there are two input fields: 'PRN/ ID Number' with the value 'PRN112' and 'PVN' with the value 'PVN014'. A green 'Search' button is positioned below the PVN field. Three green arrows point to the input fields and the search button with the following text: 'Enter Patient registration number here' (pointing to the PRN field), 'Enter Patient visit number here' (pointing to the PVN field), and 'Click search button to search patient' (pointing to the Search button).

Figure 80

- If a record is **not found** nothing is displayed as shown in Figure 81 below

The screenshot shows the 'Doctor's Note' page in the KZN eHealth system. At the top, there is a yellow navigation bar with 'My Dashboard' on the left and 'Hello, 11111111 | Log off' on the right. Below this is a green header with 'KZN eHealth'. The main content area has a green title bar 'Doctor's Note'. Below the title bar, there are two input fields: 'PRN/ ID Number' with the value 'PRN8687' and 'PVN' with the value 'PVN907'. A green 'Search' button is positioned below the PVN field. A red error message 'Enter correct PRN Number and PVN Number' is displayed to the right of the PVN field.

Figure 81

- If a record is found, **“Select Department”** dropdown list will be displayed and you will have to click and select the department you are currently in as shown in Figure 82 below

KZN eHealth

Doctor's Note

PRN/ ID Number

PVN Enter correct PRN Number and PVN Number

Search

Select Department ← Click and select the department you are currently in

Figure 82

- Upon selecting **“Select Department”**, patient record will be displayed as shown in Figure 83 below.
- Click **“Select”** to view and add notes

KZN eHealth

Doctor's Note

PRN/ ID Number

PVN

Search

Select Department

	PRN Number	Patient Registration Number	Patient Identity Number	Patient First Name	Patient Lastname	Patient Gender
Select	PRN115	115	6205151014080	Lindwe nokusa idah	Madabefe	Female

→

Click here to view and add patient notes

Figure 83

- Upon selecting “**Select**”, you be directed to the page shown in Figure 84 to 85 below
- Click “Notes” tab to view all the notes as shown in Figure 84 to 85:

In Figure 84 below:

1. My Notes:

- These are the notes you have saved for a patient.
- You can edit the notes by clicking “**Edit notes**” and please not that you can only edit your own notes.
- Edited notes are represented by a green asterisk (*).
- If you edit notes, the original notes are stored in “**Original tab**”.

2. Doctor’s Notes:

- These are the notes written by doctors for the patient.
- Edited notes are represented by a green asterisk (*).

History Menu

MOPD Assessments Vitals Prescriptions Blood Tests X-Ray Reports Admissions **Notes** ← Select here to view previous notes of the patient

Notes
* Edited Notes

My Notes

Your Saved Notes here →

Edit	Patient Visit	HPR Number	Employee Name	Employee Lastname	Patient Record DateTime	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress

Doctor's Notes

Doctor's previous notes →

Patient Visit	HPR Number	Employee Name	Employee Lastname	PR DateTime	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress
PVN369PRN112	Gershon	Matomone		2020-03-04 01:56:55 PM	Madadeni Hospital	Crisis Care Centre	G81	HEMIPLEGIA AND HEMIPARESTIS	SPEECH THERAPY, ENT AND ONCOLOGY	SDFP	WWADAS	SDFSDFS	ADAS
PVN369PRN112	Gershon	Matomone		2020-03-04 01:56:55 PM	Madadeni Hospital	Medical Outpatient - MOPD (Available everyday)	T16	FOREIGN BODY IN EAR	AUDIOLOGY AND ENT	sdgsfsgf	wdgsdgsd	sdgsdgsdgsd	sdgsdgsd
PVN369PRN112	Gershon	Matomone		2020-03-04 01:56:55 PM	Madadeni Hospital	Intensive Care Unit	0	ARTHRITIS (OTHER)	MEDICAL	sdgsfsgf	Lungsdgsd	sdgsdgsd	sdgsdgsd
PVN369PRN112	Gershon	Matomone		2020-03-04 01:56:55 PM	Madadeni Hospital	Casualty	H82	DISORDERS OF EXTERNAL EAR IN DISEASES CLASSIFIED	AUDIOLOGY AND ENT	Will Admit and Make	Ear problem and	Ear Ponds	Still

Figure 84

In Figure 85 below:

3. Nurse’s Notes:

- These are the notes written by other nurses.
- Edited notes are represented by a green asterisk (*).

4. Original Notes:

- When you edit note as explained above (refer to “My notes”) original notes are stored in “Original notes”.

5. Current Patient Document:

- This is where documents that belong to the patient such as forms that are not part of the system which are manually filled are stored and viewed.

6. Old Patient File:

- Patient old files are stored and viewed here.

The screenshot displays a software interface with four distinct data tables. Each table is highlighted with a green header row. Green arrows on the left side of the interface point to each table, accompanied by text labels: 'Here are the Nurse's notes' points to the 'Nurse's Notes' table; 'Here are the original notes' points to the 'Original Notes' table; 'Here are the current patient document' points to the 'Current Patient Document' table; and 'Here are old Patient file' points to the 'Old Patient File' table.

Patient Visit	HPO Number	Employee Name	Employee Lastname	PR	Date/Time	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress
PVN369	PRNE112	happy	nyide		2020-03-04 01:36:55 PM	Madadani Hospital	Surgical Out Patient Dept - SOPD (Mondays and Thursday 07H00 - 12H00)				FGF	RTTDTT 2222	RTR	6FGFG
PVN421	PRNE112	hlangwe	okube		2020-03-05 12:43:19 PM	Madadani Hospital	Casualty				PATIENT CAME WITH THE HISTORY OF ASSAULTXCVB	HIGH BLOOD PRESSURECVBNFGHJ	PANADCCXCVBN	REAPITTED BPKCVBN

Edit	Patient Visit	HPO Number	Employee Name	Employee Lastname	PR	Facility Name	Ward Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress
------	---------------	------------	---------------	-------------------	----	---------------	-----------	-------------	--------------------	-----------	--------------	------------------	-------------------	------------------

Patient Name	Patient Suriname	Department	Notes	Document Name	Employee	Date Uploaded
--------------	------------------	------------	-------	---------------	----------	---------------

Patient Name	Patient Suriname	File Name	Employee	Date Uploaded	
Gershon	Matsiana	Screenshar for Nurse.docx	Shaun	2020-03-03 12:19:31 PM	View
Gershon	Matsiana	Part not	Shaun	2020-03-03 04:44:26 PM	View
Gershon	Matsiana	KZN al-Health Phase 1.docx	Gershon	2020-03-04 01:52:56 PM	View
Gershon	Matsiana	code2.txt	SICELOKUHLE BONSIWE	2020-03-06 05:20:00 PM	View

Figure 85

- After viewing all the previous notes, scroll down to add your notes as shown in Figure 86 below

In Figure 86 to 87:

- Enter all the required fields
- The “**Diagnosis ICD 10 codes**” field is the list of all diagnosis ICD10 codes, which you have an option to delete as shown below
- Click “**Save note**” to add your notes
- Click “**Add Vitals**” to add patient vital signs

The screenshot shows a medical form with the following sections and annotations:

- Findings:** A text area containing "Headache" with an arrow pointing to it labeled "Enter patient findings here".
- Clinical Department:** A dropdown menu with "MENTAL HEALTH DISORDERS" selected, with an arrow pointing to it labeled "Click and Select clinical department here".
- Patient Condition:** A dropdown menu with "BIPOLAR AFFECTIVE DISORDER" selected, with an arrow pointing to it labeled "Click and Select patient condition here".
- ICD10 Code:** A dropdown menu with "F31" selected, with an arrow pointing to it labeled "Click and Select ICD10 code".
- Diagnosis ICD 10 Codes:** A table with a header row containing "ICD10 Code" and "Action". Below it is a row with "F31" and a "Delete" button. An arrow points to this row with the label "Here sit the list of ICD10 code".
- Treatment:** A text area containing "Headache pills" with an arrow pointing to it labeled "Enter the treatment here".

Figure 86

The screenshot shows a medical form with the following sections and annotations:

- Progress:** A text area containing "had" with an arrow pointing to it labeled "Enter Progress here".
- Notes:** A text area containing "patient some serious help" with an arrow pointing to it labeled "Enter your Notes here".
- Buttons:** Two buttons, "Save Note" and "Add Vitals", are located at the bottom. An arrow points to the "Save Note" button with the label "Click here to save your notes". Another arrow points to the "Add Vitals" button with the label "Click here to add patient vitals".

Figure 87

- Upon clicking “Save note” button (refer Figure 88 above), you will get an alert as shown in Figure 88

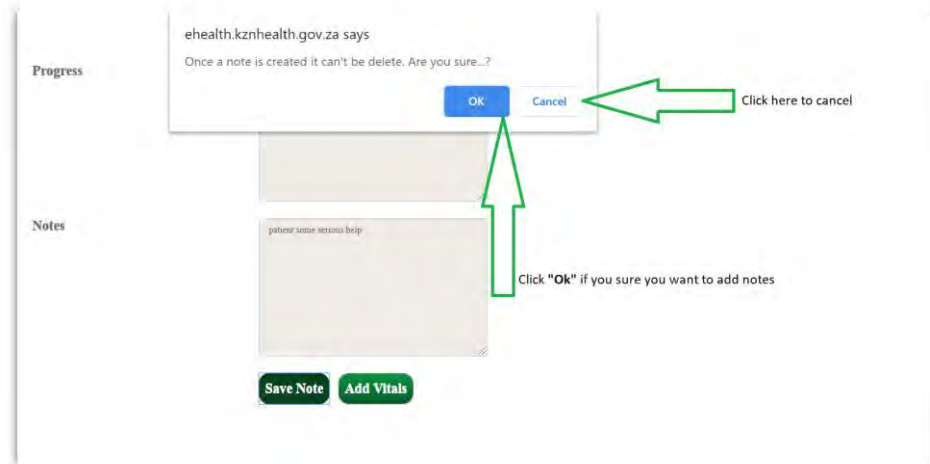


Figure 88

- Upon clicking “OK” notes will automatically store in “My Notes” table, which you will have an option to edits the notes as shown in Figure 89 below

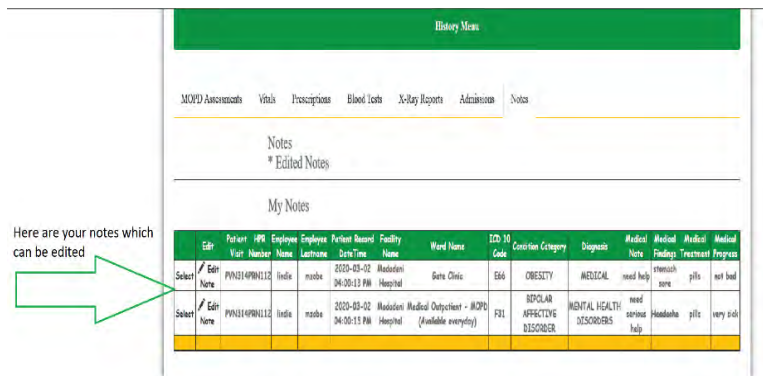


Figure 89

- Click **“Edit Note”** to edit the notes as show in Figure 90 below

Click here to edits patient's notes

Notes
* Edited Notes

My Notes

EDIT	Patient Visit	APR Number	Employee Name	Employee Lastname	Patient Record Date/Time	Facility Name	Word Name	ICD 10 Code	Condition Category	Diagnosis	Medical Note	Medical Findings	Medical Treatment	Medical Progress
Select <input type="checkbox"/> Edit Note	PIN314PN112		Bodie	uzobia	2020-03-02 04:00:13 PM	Madoken Hospital	Rate Clinic	E66	OBESITY	METSCAL	need help	stomach sore	pills	not bad
Select <input type="checkbox"/> Edit Note	PIN314PN112		Bodie	uzobia	2020-03-02 04:00:13 PM	Madoken Medical Outpatient - MOPOD Hospital	Medical Outpatient - MOPOD (Available everyday)	F31	BIPOLAR AFFECTIVE DISORDER	MENTAL HEALTH DISORDERS	need serious help	Headache	pills	very sick

Figure 90

- Upon clicking **“Edit Note”**, you will get an alert as shown in Figure 91



Figure 91

- Upon clicking “OK” you will be directed to your notes and edits them
- Click “Update Note” to update your notes as shown below in Figure 92



Figure 92

- After updating your notes, on “My Note” table the green asterisk (*) will appear to show that your notes have been edited as show in Figure 93 below

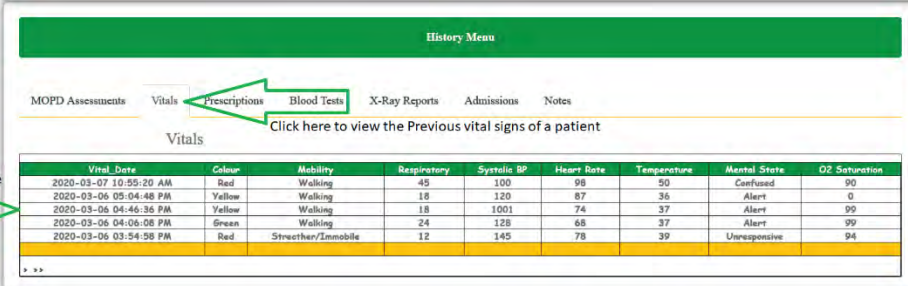
	Edit	Patient Visit	HPR Number	Employee Name	Employee Lastname	Patient Record DateTime	Facility Name	Ward Name
Select	✎*	PVN314	PRN112	Iindie	mzobe	2020-03-02 04:00:13 PM	Madadeni Hospital	Occupational Health Unit - OHU
Select	✎*	PVN314	PRN112	Iindie	mzobe	2020-03-02 04:00:13 PM	Madadeni Hospital	Medical Outpatient - MOPD (Available everyday)

Here is an Asterisk which indicates that the notes has been edited

Figure 93

Add Vitals

- Upon clicking “**New Note**” button, you will be directed to search the patient again to add new note (refer from Figure 94 to 97 above).
- Click “**Vitals**” tab to view previous vital signs of a patient as shown in Figure 94 below



History Menu

MOPD Assessments Vitals Prescriptions Blood Tests X-Ray Reports Admissions Notes

Vitals Click here to view the Previous vital signs of a patient

Previous Vitals here

Vital Date	Colour	Mobility	Respiratory	Systolic BP	Heart Rate	Temperature	Mental State	O2 Saturation
2020-03-07 10:55:20 AM	Red	Walking	45	100	98	50	Confused	90
2020-03-06 05:04:48 PM	Yellow	Walking	18	120	87	36	Alert	0
2020-03-06 04:46:36 PM	Yellow	Walking	18	1001	74	37	Alert	99
2020-03-06 04:06:08 PM	Green	Walking	24	128	68	37	Alert	99
2020-03-06 03:54:58 PM	Red	Stretcher/Immobile	12	145	78	39	Unresponsive	94

Figure 94

- Click “**Add Vitals**” button to add patient Vital signs as shown in Figure 95



Figure 95

- Fill all the required fields to complete adding patient vital signs as shown in (Figure 96 & 97)

The screenshot shows the 'Acute Medical Emergency Adult Triage Score' form with the following fields and instructions:

- Mobility:** A dropdown menu with 'Please Select' and an arrow pointing to it with the text 'Click and select Mobility here'.
- Respiratory:** A text input field with 'Enter Respiratory' and an arrow pointing to it with the text 'Type here Respiratory'.
- Heart rate:** A text input field with 'Enter Heart rate' and an arrow pointing to it with the text 'Type here heart rate'.
- Systolic Blood Pressure:** A text input field with 'Enter Systolic Blood Pressure' and an arrow pointing to it with the text 'Type here Systolic blood pressure'.
- Temperature:** A text input field with 'Enter Temperature' and an arrow pointing to it with the text 'Type here Temperature'.
- Mental State:** A dropdown menu with 'Please Select' and an arrow pointing to it with the text 'Click and select here Mental status'.
- O₂ Saturated:** A text input field with 'Enter O₂Saturated_TxtBox' and an arrow pointing to it with the text 'Type here the O₂Saturated'.

At the bottom, there are 'Cancel' and 'Calculate' buttons. Below the form, the text 'Acute Medical Emergency Adult Triage Score' is displayed in a green font.

Figure 96

The screenshot shows the 'Acute Medical Emergency Adult Triage Score' form with the following values and annotations:

- Mobility:** 'Stretcher Immobile' (dropdown)
- Respiratory:** '54' (text input)
- Heart rate:** '56' (text input)
- Systolic Blood Pressure:** '120' (text input)
- Temperature:** '70' (text input)
- Mental State:** 'Confused' (dropdown)
- O₂ Saturated:** '45' (text input)

Annotations include:

- An arrow pointing to the 'Cancel' button with the text 'Click here to cancel'.
- An arrow pointing to the 'Calculate' button with the text 'Click here to calculate'.
- An arrow pointing to the 'Submit' button with the text 'Click here to submit vital signs'.
- A red box containing the text: 'Seizure: Current Myocardial infarction Stroke Respiratory distress Hypoglycaemia: glucose < 3 mmol/l'. An arrow points to this box with the text 'The colour here appears when you clicked Calculate'.

Figure 97

ADMISSION REQUEST

- Click “**Admission**” tab to view the history of admissions as show in Figure 98 below

History Menu

Vitals Prescriptions Blood Tests X-Ray Reports **Admissions** Notes

Click here to view Admissions History

Admissions

Patient Visit Number	HPR Number	Patient Admitted Date Time	Admitted Medical Officer	Referring Section	Diagnosis	Condition Category	ICD 10 Code	Admission Diagnosis	Ward Name	Facility Name	Patient Discharged	Patient Discharged Date Time	Discharge Reason	Expt3	Expt2	Expt1	Discharge Diagnosis	
PVN275	PRN86	2020/02/25 23:09:46	Lee McNamee	MOPD	NEUROLOGY/MENINGITIS	603.9		Its pretty bad	Ward 1A Regional Medical Male	Madedene Hospital		2020/02/25 23:16:34	Discharged	NEUROLOGY/MENINGITIS	603.9			We did our job right

Figure 98

- Search Patient using Patient Registration number and patient visit number as shown in Figure 99

Doctor's Note

PRN/ ID Number Type Patient Registration number here

PVN Type Patient Visit number here

Click Search button here

Select Department Click and Select Department here

Figure 99

- First add patient notes (refer to Figure 86 to 87) and save notes
- Click “Admit” button to admit the patient as shown in Figure 100

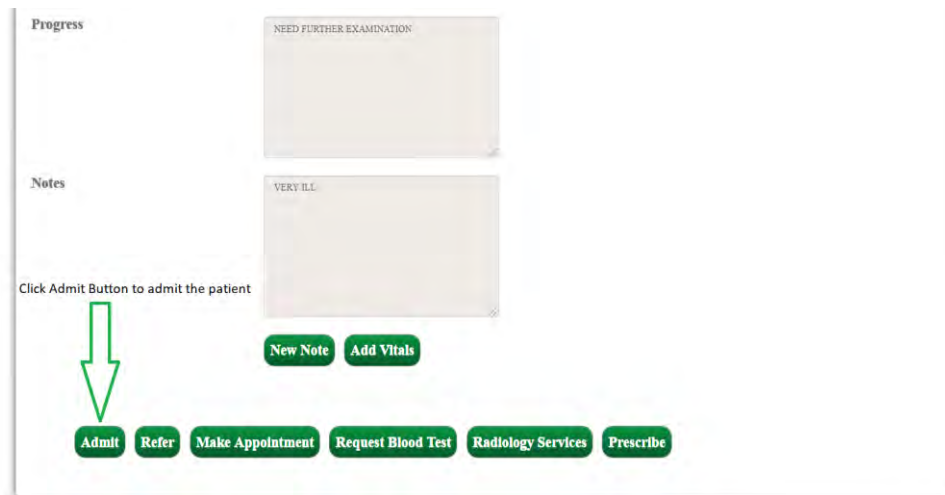


Figure 100

- Fill all the required fields as shown in Figure 101 & 102 below

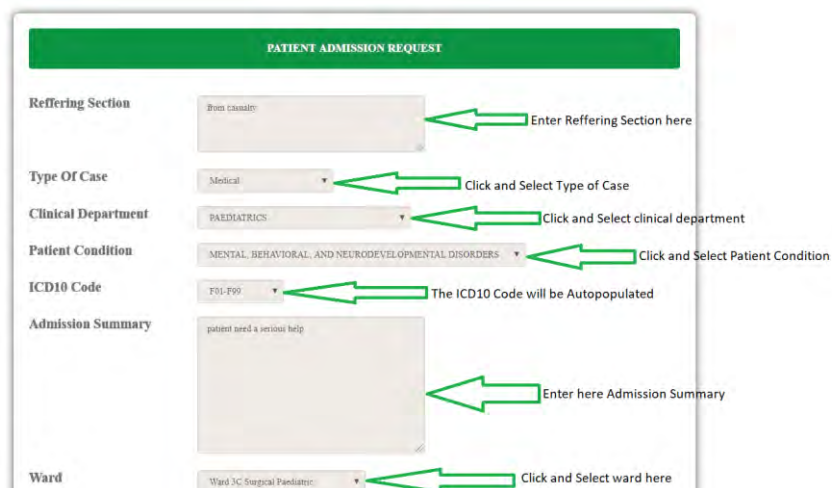


Figure 101

Admission Summary

patient need a serious help

Ward

Ward 3C Surgical/Paediatric

Beds Available

2 This will be autopopulated

Type of bed

Isolation Click and Select Type of bed here

Admitting Medical Officer

Luka Domic This is Auto populated

HPCSA Number

HTR020LUR This is Auto populated

Date

2020-02-29 13:57:48 This is Auto populated

Click here to cancel Admission Click Submit button to submit admission request

Cancel **Submit**

Figure 102

Referring a patient

- Click “Refer” button to refer a patient as show in Figure 103 below

The screenshot displays a patient management interface with the following sections:

- Clinical Department:** MEDICAL HEALTH SERVICES
- Patient Condition:** PATHOLOGICAL
- ICD10 Code:** F30
- Diagnosis ICD 10 Codes:** A table with columns for ICD10 Code, Action, and Date.
- Treatment:** A text input field.
- Progress:** A text input field.
- Notes:** A text input field.

At the bottom of the interface, there is a row of buttons: **Admin**, **Refer**, **Make Appointment**, **Request Blood Test**, **Radiology Services**, and **Prescribe**. A green arrow points to the **Refer** button, with the text "click to refer a patient" next to it. Above the **Refer** button are two smaller buttons: **New Note** and **Add Vitals**.

Figure 103

- Upon clicking “Refer” button, you will be directed to the page as shown in Figure 104 below
- Fill the referral form to refer as shown in Figure 104 below

REFERRAL

Referring Doctor: Lee McIntire

Discussed With Doctor: e.g Dr BG Simelane **Enter Name**

Date of Follow Up Clinic Appointment: yyyy/mm/dd **Select date**

Background History: Enter Background History **Enter text**

Reason For Current Referral: Enter Reason For Current Referral **Enter text**

Investigation Done: Enter Investigation Done **Enter text**

District: Please Select **Select district to refer**

Facility Referred To: **Select facility to refer**

Clinical Department: **Select department to refer**

Click to print **Print** **Refer** Click button to refer

Figure 104

- Click the **“Print”** button to print the referral or click the **“Refer”** button to save the referral as shown in Figure 105 below

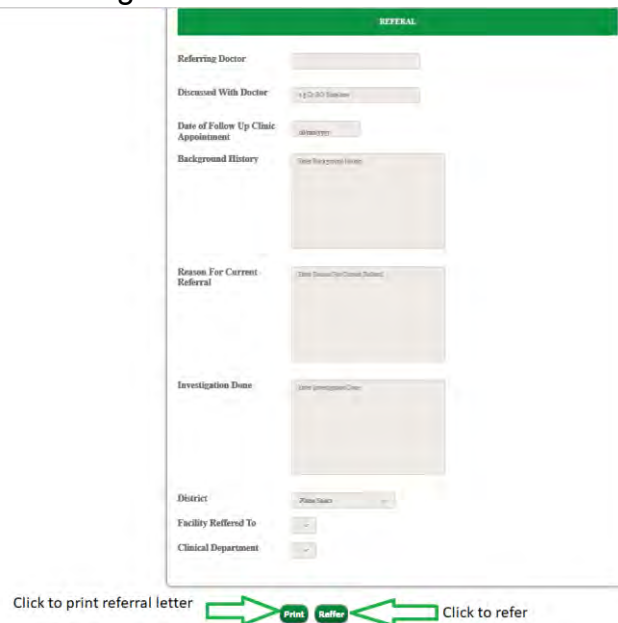


Figure 105

Making appointments

- Appointments can only be made after creating notes (refer to Figure 86 to 87)
- Click **“Make Appointment”** button to make appointments as shown in Figure 106 below

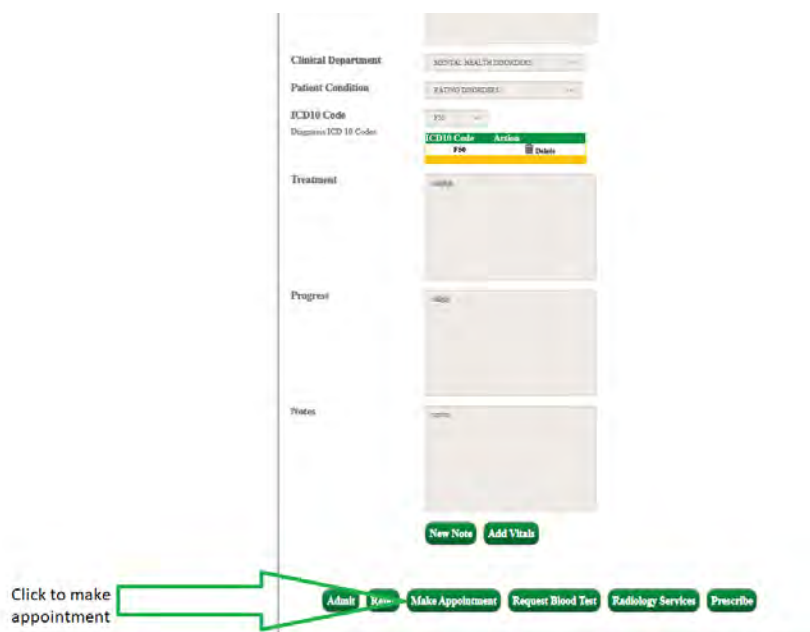


Figure 106

- Upon clicking “**Make Appointment**”, you will be directed to the page shown in Figure 107 below

APPOINTMENT CARD

Date

Institution

Department

Reason For appointment

Print **Save Appointment**

Figure 107

- Fill in the Appointment card as shown in Figure 108 Below

KZN eHealth

APPOINTMENT CARD

Date ← Select date for appointment

Institution

Department ← Select department

Reason For appointment ← Enter text

Click to print card → **Print** **Save Appointment** ← Click to save appointment

Figure 108

- Click **“Save appointment”** button to save appointment as show in Figure 109 below

The screenshot shows a web form titled "APPOINTMENT CARD" with a green header. The form contains the following fields: "Date" with a text input containing "dd/mm/yyyy"; "Institution" with a text input containing "Madadeni Hospital"; "Department" with a dropdown menu showing "Please Select"; and "Reason For appointment" with a large empty text area. Below the form, there are two buttons: "Print" and "Save Appointment". A green arrow points from the text "Click save an appointment" to the "Save Appointment" button.

Figure 109

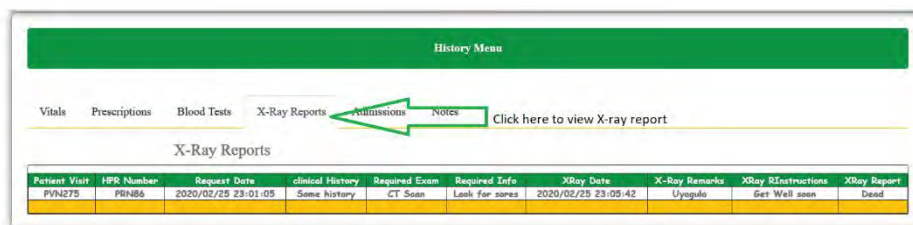
- Click **“Print”** button to print the Appointment Card as show in Figure 110 below

This screenshot is identical to Figure 109, showing the "APPOINTMENT CARD" form. In this version, a green arrow points from the text "Click to print the appointment" to the "Print" button.

Figure 110

Radiology services

- Click “X-ray Report” tab to view to history of X-ray report as shown in Figure 111



History Menu

Vitals Prescriptions Blood Tests **X-Ray Reports** Admissions Notes

Click here to view X-ray report

X-Ray Reports

Patient Visit	HPR Number	Request Date	Clinical History	Requested Exam	Requested Info	XRay Date	X-Ray Remarks	XRay RIInstructions	XRay Report
PVNZ75	PRN86	2020/02/25 23:01:05	Some history	CT Scan	Look for sores	2020/02/25 23:05:42	Uvypolo	Get Well soon	Dead

Figure 111

- First add patient notes (refer to Figure 86 to 87) and save notes
- Click “Radiology Services” button to request for X-ray as shown in Figure 112 below

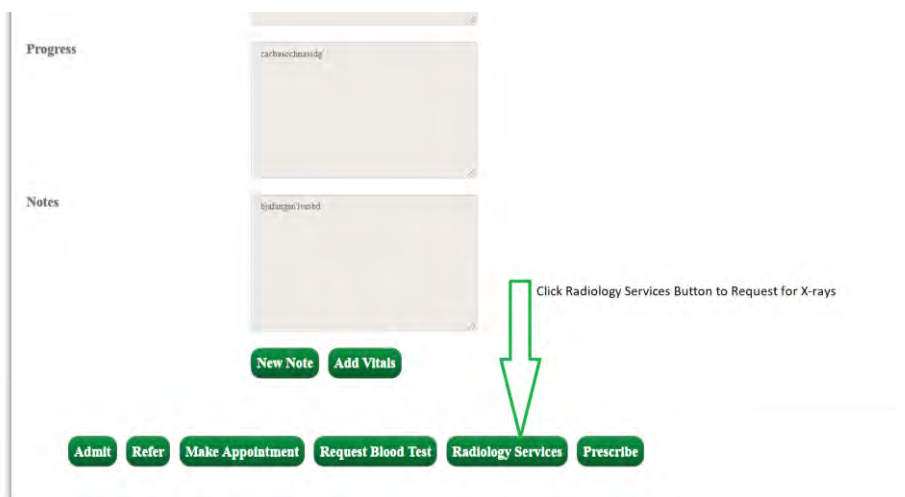


Figure 112

Examination(Study) Request Form

- Fill all the required fields to complete the Examination Report as shown in Figure 113, 114 & 115 below

The screenshot shows the 'EXAMINATION (STUDY) REQUEST' form. It includes the following fields and annotations:

- Transport to X-Ray:** A dropdown menu with 'Bed Side Unit(BSU)' selected. An arrow points to it with the text 'Click and select Transport here'.
- Clinical History:** A text input field containing 'patient unable to...'. An arrow points to it with the text 'Enter Clinical History here'.
- Modality:** A dropdown menu with 'CT Scan' selected. An arrow points to it with the text 'Click and select modality here'.
- Examination Required:** A text input field containing 'brain'. An arrow points to it with the text 'Enter examination required here'.
- Information Required:** A text input field containing 'hypertension, stroke'. An arrow points to it with the text 'Enter information required'.
- Is patient pregnant:** A checkbox that is currently unchecked. An arrow points to it with the text 'Tick here if the patient is pregnant'. Below the checkbox, there is a red asterisk and the text '* tick checkbox if patient is pregnant'.

Figure 113

The screenshot shows the 'Allergies' section of the form. It includes the following fields and annotations:

- Urea:** A text input field containing '96'. An arrow points to it with the text 'Enter Urea here'.
- Creatinine:** A text input field containing '56'. An arrow points to it with the text 'Enter Creatinine here'.
- Allergies:**
 - Food:** A text input field containing 'enter food allergies'. An arrow points to it with the text 'Enter food allergies'.
 - Medication:** A text input field containing 'enter medication allergies'. An arrow points to it with the text 'Enter medication allergies'.
 - Other:** A text input field containing 'enter other allergies'. An arrow points to it with the text 'Enter other allergies'.
- Has prescribed medication been taken?:** A checkbox that is currently checked. An arrow points to it with the text 'Tick here if patient has taken the prescribed medication'.

Figure 114

Has prescribed medication been taken?

Request Date: 2020/05/04 12:36:38 This will be autopopulated

Medical Doctor: This will be autopopulated

HPCSA No: This will be autopopulated

Request Examination ← Click here to request examination

Figure 115

- Upon clicking **“Request Examination”** button, you will get an alert as shown in Figure 116 below

localhost:51084 says
Continue to Request XRay...?

OK Cancel

Other: enter other allergies

Has prescribed medication been taken?

Request Date: 2020/05/04 12:36:19

Medical Doctor:

HPCSA No:

Request Examination

← Click here to continue to request examination

Figure 116

- Upon clicking “OK” you will also get an alert pop-up which is giving you the X-ray number that you will have to keep as show in Figure 117 below
- Click “OK” as show in Figure 117 below

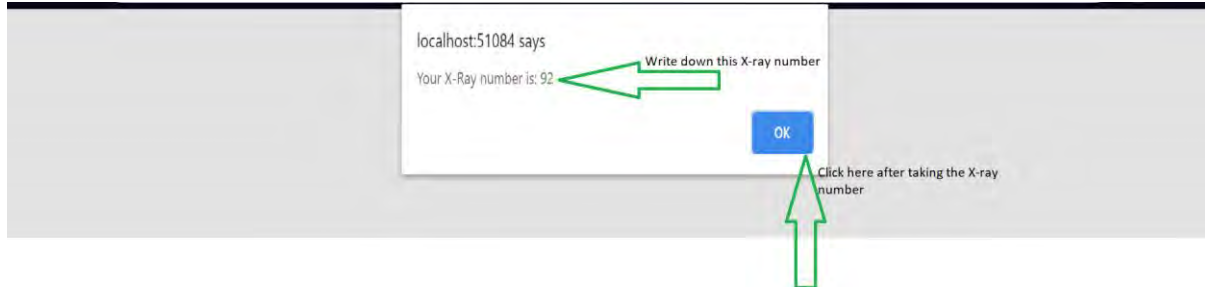


Figure 117

Prescription

- In the History Menu, click on the “**Prescription**” tab to view Prescription History. See Figure 118 below.

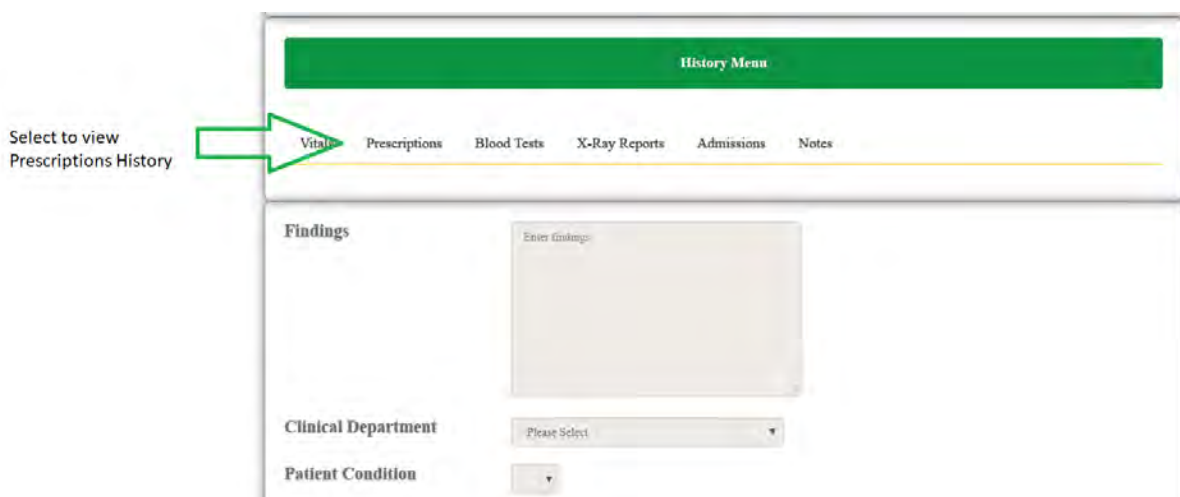


Figure 118

- Upon selecting “**Prescription**” tab, prescription history will be displayed as shown in Figure 119 below.

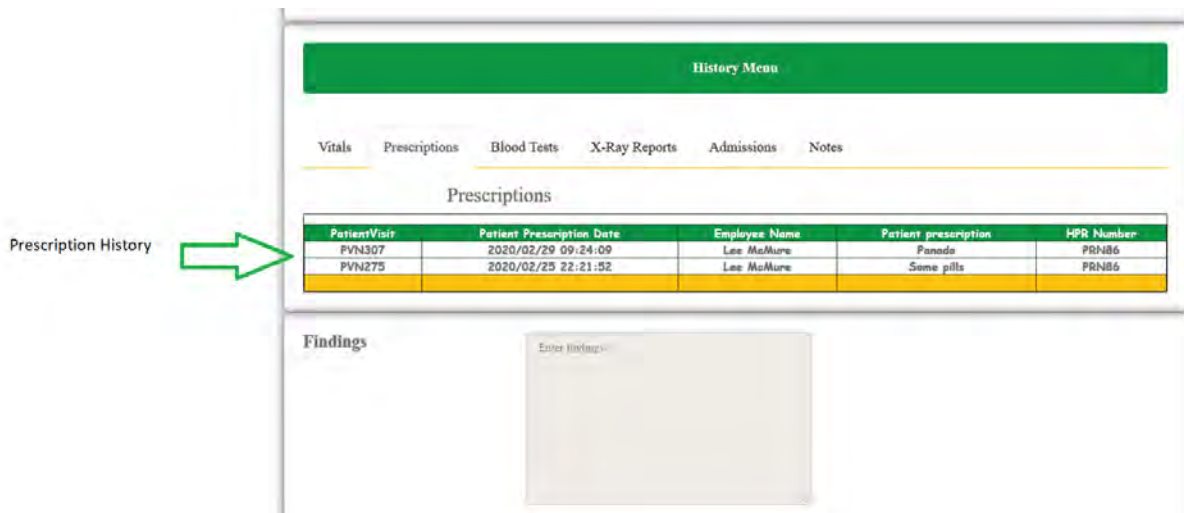


Figure 119

- To prescribe, click the “**Prescribe**” button to create a prescription as shown in the Figure 120 below

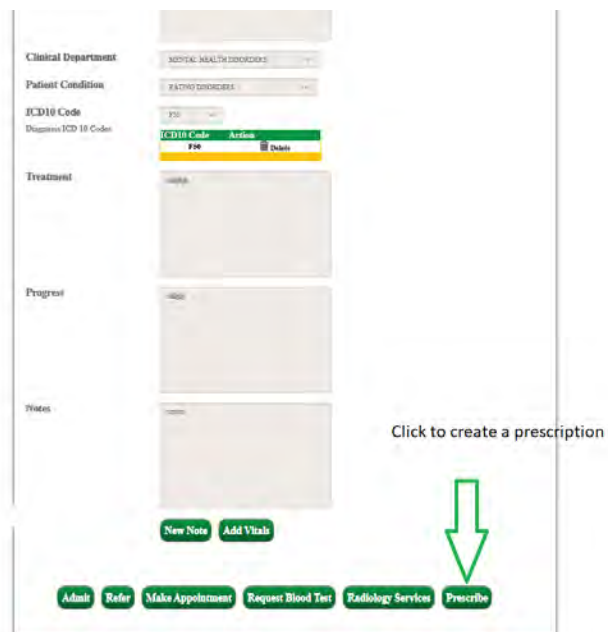


Figure 120

- Fill in the “Prescription Card” as shown in Figure 121 below

PRESCRIPTION CARD

Prescription Issued by: GASH DOCTOR GASH DOCTOR (This is autopopulated)

HPCSA Number: 113145355 (This is autopopulated)

Medicine to be collected at: Pharmacy (Enter where medication should be collected)

Medication: Antibiotics (Enter Medication here)

Dosage: 2 times a Day (Enter Dosage here)

Strength: Strength (Enter Strength here)

Duration: 2 (Enter Duration here)

Add to Prescription (Click here to add prescription)

Prescription: No medication has been added.

Figure 121

- Upon clicking “Add to Prescription” button your prescription will be added on the prescription table as shown in Figure 122 below, you can add as many prescriptions on the table
- Click “Prescribe” button to send a prescription request as shown in Figure 122 below

Add to Prescription (Here sit your prescription order)

Medication	Dosage	Strength	Duration	Action
Antibiotics	2 times a Day		2	Delete

Ward: Ward 1A Regional Medical Male (Click and select ward)

Dispensed?: (Check here if Dispensed)

Date Issued: 2020/05/11 14:25:41 (This Autogenerated)

Priority: Wheel chair (Click and select patient priority)

prescribe (Click here send prescription)

Figure 122

- Upon clicking “**Prescribe**”, you will be directed to the pop-up page shown in Figure 123 below



Figure 123

- The “**Prescription number**” is auto generated as shown in Figure 124
- Click “**Print**” button to print the prescription as show in Figure 124 below

PRESCRIPTION CARD

Prescription Number

Prescription Issued by

HPCSA Number

Medicine to be collected at

Medication

Dosage

Strength

Duration

Add to Prescription

Prescription

Medication	Dosage	Strength	Duration	Action
allegex	2	500mg	7 days	Delete

Ward

Dispensed ?

Date Issued

Priority

Medical Officer

Authority

Medical Superintendent

Consultant

Back
Print

Figure 124

Lab Orders

- Click “**Lab Orders**” icon from the dashboard as shown in Figure 125 below

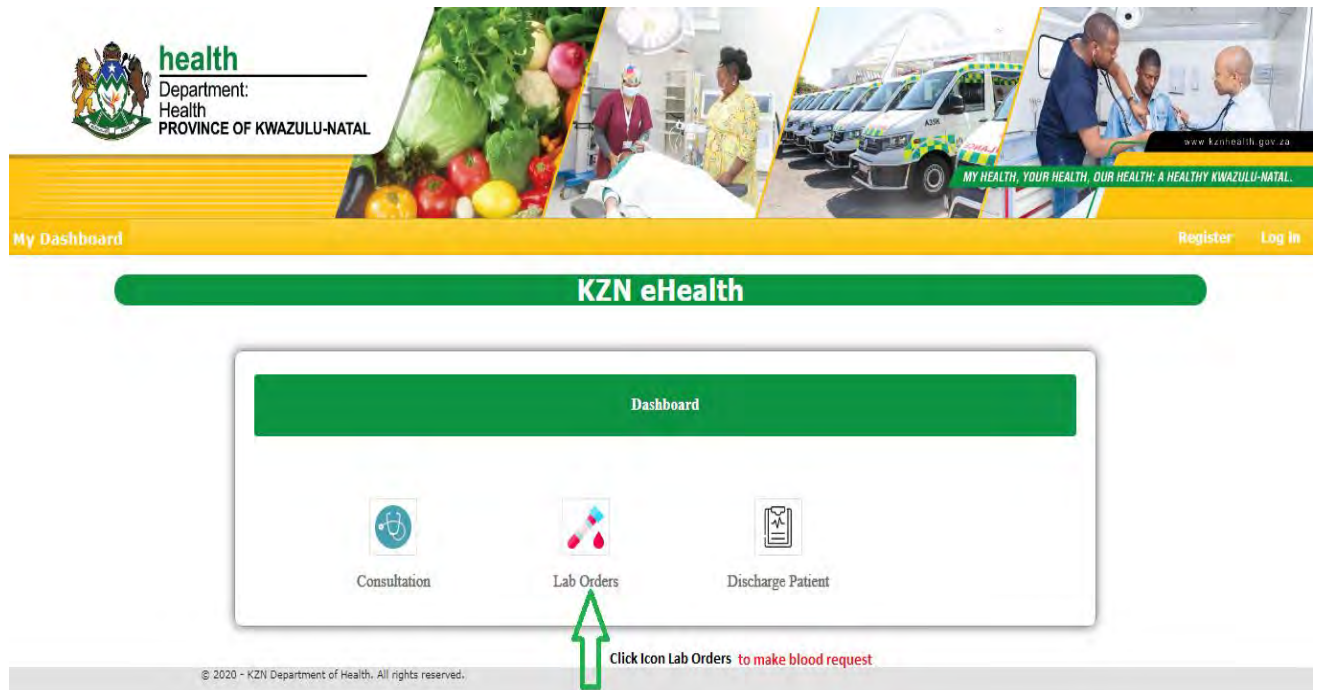


Figure 125

- Upon clicking “**Lab Orders**” icon, you will be directed to the page where you will search the patient using Patient Visit Number.

Search Patient

- You can search patients in the database by typing in their Visit Number or ID Number or First Name or first character of First Name, **see Figure 126**
- If no record found nothing will display, **see Figure 126**

Laboratory Order Entry System

Patient Record

Patient Record list
Enter unique Patient Visit Number or ID/Cellphone Number to search for Patient details

Patient Visit Date Time between Patient Visit Date Time and Patient Visit Date Time

PVN280 Search

Search using Patient visit number

	Patient Visit Number	Patient Visit Date Time	Patient First Name	Patient Last Name	Patient Identity Number
View Medical Record	PVN280	2/26/2020 15:22:34	Musa	Hlophe	9506255383082

Click view patient medical record

Figure 126

- Below Figure 127 showing page of patient medical record and all prospective users will enable to only view the record as per patient searched.

Search Patient Medical Record

- You can search patients in the database by typing in Patient Visit Number or ID Number **see Figure 127**
- If no record found nothing will display on the record



Figure 127

MID, MD, P, PN ADD NEW PATIENT SPECIMEN

- Search/Add Patient Specimen
- You can search patients Specimen in the database by typing in their Specimen Type or Specimen Ref. see Figure 115 below
- If no record found nothing will display. see Figure 114below
- Click ADD SPECIMEN for a patient. see Figure 114 below
- Add patient specimen information in required fields see Figure 115 below
- **NB: All fields with the * are compulsory meaning you cannot skip required field with ***
- Dropdown Hospital and click specified Hospital based on your rotation schedule see Figure 115
- Dropdown Hospital automatical Wards will be filtered
- Click Next button to shift to onother tab filling patient specimen details.
- Dropdown Hospital automatical Wards will be filtered

Logout

FIGHTING DISEASE, FIGHTING POVERTY, GIVING HOPE

Lab Order Entry System

Home / Patient / Add Specimen

Patient Specimen
Enter Specimen RefNo Or Specimen Type to search for Specimen details

Patient No	P017100011
First Name	Coleen
Last Name	Pieter
Nationality	South African
Patient identity number	9201126341085
Sex	Male
Age	26
Username Capturer	user1
Institution name	Greys Hospital

ddd Search

No records found

+ADD SPECIMEN

Search using Specimen Ref Number

no record found

Add Specimen

Figure 128



Figure 129

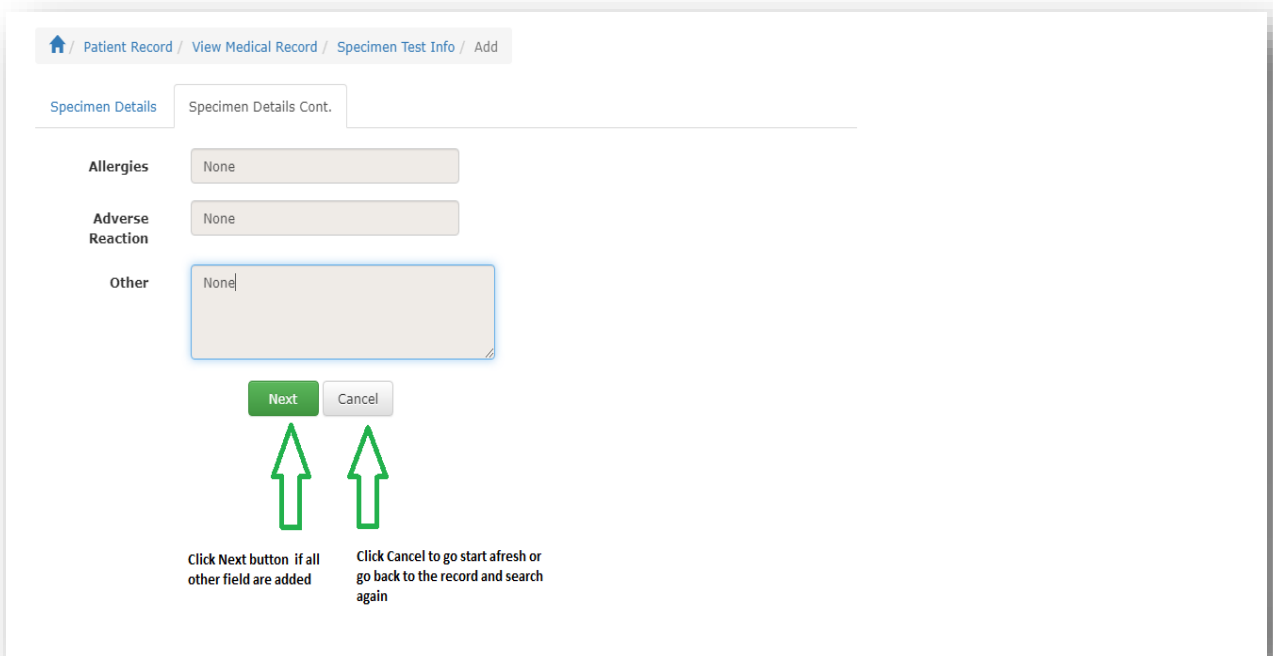


Figure 130

- After created the patient specimen will show the record as shown below in Figure 117

Laboratory Order Entry System

Home Patient Record View Medical Record Specimen Test Info

Patient Visit Number: PVN280
ICD 10 Code: 169
Medical Findings: Findings
Medical Note: abc
Medical Treatment: abc
Medical Progress: abc
Ward Name: Medical Outpatient - MOPD (Available everyday)

Search using Specimen Ref No OR Search Search using specimen ref no

Click specimen barcode to view Barcode

Indicating the urgent options

Print Specimen Barcode	Facility	Ward	Employee Name	Urgent Option	Anatomical Site	health
✓ Patient Previous Tests	Specimen Barcode	Madadeni Hospital	Ward 1A Regional Medical	Lee	Yes	Testing

Click Patient previous Tests to Order Tests

+ ADD SPECIMEN

Figure 131

MID,MD,P,PN View/Edit Patient Specimen

- After submitted an added specimen, if Health Care Worker want to edit the specimen **see Figure 118.**
- Click view Icon to see patient Specimen and click a pen like Icon to edit **see Figure 119.**
- **NB:** A phlebotomist will only Edit Specimen **Collected datetime** and **Collected by** **see Figure 119.**

Laboratory Order Entry System

Home Patient Record View Medical Record Specimen Test Info

Print X Print Mail Search

Patient Visit Number PVN280

ICD 10 Code 169

Medical Findings Findings

Medical Note abc

Medical Treatment abc

Medical Progress abc

Ward Name Medical Outpatient - MOPD (Available everyday)

Search using Specimen Ref No OR Search

Print Specimen Barcode	Facility	Ward	Employee Name	Urgent Option	Anatomical Site	health
Patient Previous Tests	Specimen Barcode	Madadeni Hospital	Ward 1A Regional Medical Male	Lee	Yes	Testing

+

ADD SPECIMEN

Figure 132



Figure 133

MID, M, P, PN Order Test

- NB: The page will display where the user will click ORDER TEST BLOOD below see **Figure 120**
- NB: Appearing tests will based on your Hospital level i.e. PHC,HOSPITAL level and ect. below see **Figure 121**
- Click CCMT(Comprehensive Care Management Treatment) to ORDER Test falls under OR funded by TB/HIV grant. below see **Figure 121**
- Clicking CCMT NB: General Tests only selected tests OR HIV and TB Test. below see **Figure 121**
- NB: There are Tests which are catagorised being Overrided i.e DIFFERENT COUNT
- Click NEXT button after selected TESTS OR Click CANCEL button to cancel Order. below see **Figure 121**
- Click GO BACK button to see previous specimen and Click TB/HIV tests below see **Figure 121**
- After Clicking NEXT button you will be directed VIEW TEST DETAILS page below see **Figure 121**

Lab Order Entry System

[Home](#) / [Patient](#) / [Add Specimen](#) / [Previous Tests](#)

Test Records
Enter Test Name to search for Test details

Patient Details	9201126341085, Coleen, Pieter
Specimen Ref No	SRN32
Urgent Option	No
Specimen Type	AMNIOTIC(FLUID)
Allergies	Null
Adverse Reaction	
Ordered By	Reebs, Zulu, RFD631O1, 0452443243
Date of Consultation	2018/5/18 12:08:19
Collected by	
Order By	

Search using Date Picker

Ordered Date between and

Search using Test Name

No records found

Order Test OR Request TESTS

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Figure 134

Patient First Name	Musa
Patient Last Name	Hlophe
Patient ID / Passport Number	9506255383082
Specimen Name	ASCITIC(FLUID), BRUSH
Anatomical Site	Testing
Ordering Date	2020/02/29

To see other tests move this crollable bar down

CCMT Specify the CCMT

TB grant OR HIV grant

ORDER NOW! Click Order now

Go back Go back button

Select TB Tests

General Tests | TB Tests | HIV Tests | CYTOLOGY Select Cytology

Select HIV test

Select General Tests

HAEMATOLOGY

P DIFFERENTIAL COUNT

P HAEMOGLOBIN

P BLOOD FILM

P RETICULOCYTE COUNT

CHEMICAL PATHOLOGY

Y UREA Y CREATININE Y ALT

P TRYGLYCERIDE Y SODIUM Y POTASSIUM

Y CHLORIDE Y BICARBONATE Y CALCIUM

Y TOTAL Y MAGNESIUM Y INORGANIC

Figure 135

MID,MD,P,PN ORDERING TEST

- As shown **above figure 121** after clicked **“Order Now”** you will be directed on the View test page where it will display all selected TESTS. **See below figure 122**
- NB: Different test are time restricted meaning you cannot Order Test before certain time but you can Override so Click Override button. **See below figure 122**
- Click Print Barcode to print barcode and Click Print Request Form to print all patient details **See below figure 122**
- NB: Ordered and Pending tests if it has passed a certain time to ORDER you can CLICK Override i.e. DIFFERENTIAL COUNT it time restriction it 3 Days, **See below figure 122**
- Click Override button and provide required details i.e. Why Overriding see above **see below figure 123**
- Select reasons why overriding, write doctor who prompted you to override providing the authentication key.

Test Details
You can Print Barcode OR Print Request Form

Go back

ID No.7411150365089 Patient No.P017100022 nelly, Date: 2018.15-06 09:28 AM

IN27020

Print Barcode

Print Request Form

PATIENT NO: IN27020

HPCSA/SANC NO: WRD3256

Export request form to PDF

Ordered tests

Test to Override

Ordered before and Rules are applied to this test (Time Restricted)

Test Name	Status	Date of Order	Test to Override
DIFFERENTIAL COUNT	Ordered and Pending	2018/06/15 09:28:33 AM	Override
HAEMOGLOBIN	New and Pending	2018/06/15 09:28:33 AM	Override
TRYGLYCERIDE	New and Pending	2018/06/15 09:28:33 AM	Override

This test cannot be Overrided

Figure 136

Lab Order Entry System

Home / Test Details

Test Details
You can Print Barcode OR Print Request Form

localhost says
Override was successfully executed!

OK

Click OK button after commented Overriding

Go back

Reasons why Overriding

Other reasons

Select Doctors

Dr Susan (B303)

Comments regarding Overriding

Urgent

Cancel Submit

Dropdown reasons

Select/Write doctor automatically will pull out lists of Doctors

Provide any other reasons if selected Other under reasons why overriding

Cancel button

Submit button

ID No.7411150365089 Patient No.P017100022
nelly, Date: 2018.15-06 09:50 AM



Figure 137

MID,MD,P,PN PRINTING OF BARCODE, TEST BARCODESPECIMEN REQUEST FORM

Print Barcode/Request Form

- Clicked Print Barcode is shown as follows **see above Figure 122**
- See different barcodes printed since other Tests goes in groups **see below Figure 124**
- Click Print Request Form button export/print to PDF as shown above in **Figure 122**

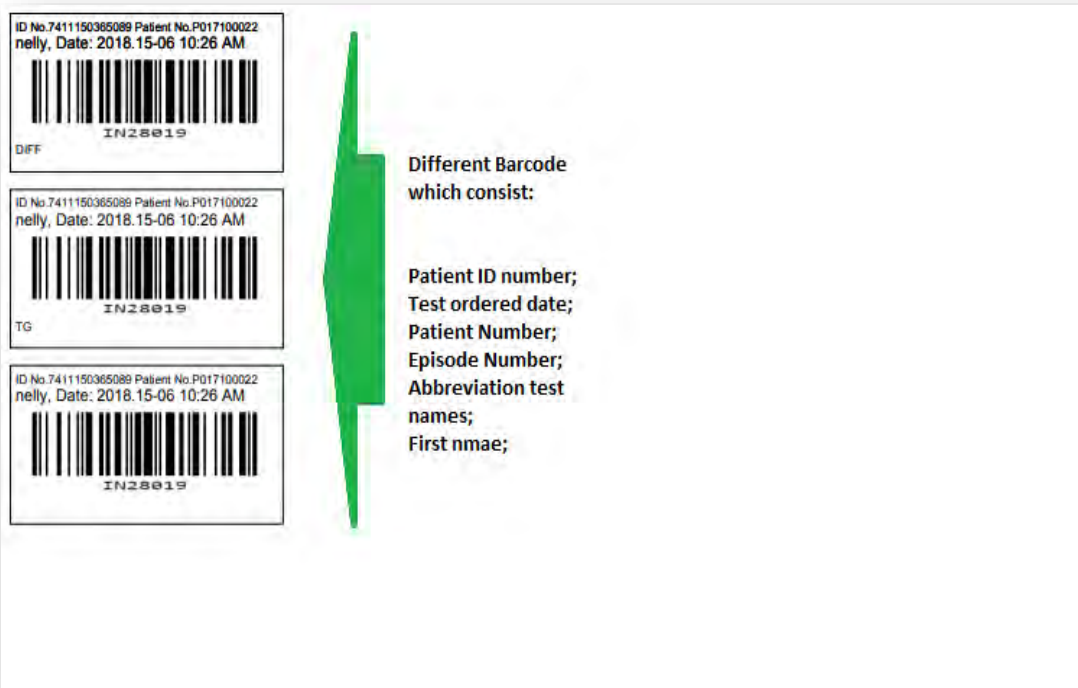


Figure 138

Patient Request Form

Patient details form

PRINT REQUEST FORM Click PRINT REQUEST FORM

 health Department: Health PROVINCE OF KWAZULU-NATAL	nelly brown DOB: 44 1974/11/15 Names: Dara Dara	Patient: P017100022 Hospital: 46G023 Ward: C - Women
	Facility: Greys Hospital	
Allergies : penicillin Adverse Reactions:		
HAEMATOLOGY		
012-0183 DIFFERENTIAL COUNT Date: 2018/06/15 10:26:02 AM Clinical indications : MIC Source : Reason for exam : BLOOD Has patient had recent blood transfusion? Ordered By: Dara Dara Entered by: Dara Dara at Start Date: 2018/06/15 10:26:02 AM on Ward C - Women		

Figure 139

Reports

Below showing Figures for different reports

- Provincial report
- District level reports
- Institution level reports
- Overeided reports

Provincial level report

Order by: Labels ASC

Export the page to Excel or Word

Provincial Report Pie Chart Report

Dropdown in an Asc/Desc order

District Name	Total	Number Of Tests
Umgungundlovu	R5,079	110
Uthukela	R0	0
Umkhanyakude	R0	0
Grand Summary (11 detail records)		
SUM: R5,079		
COUNT: 11		

Page 1 of 4 Records 1 to 3 of 11

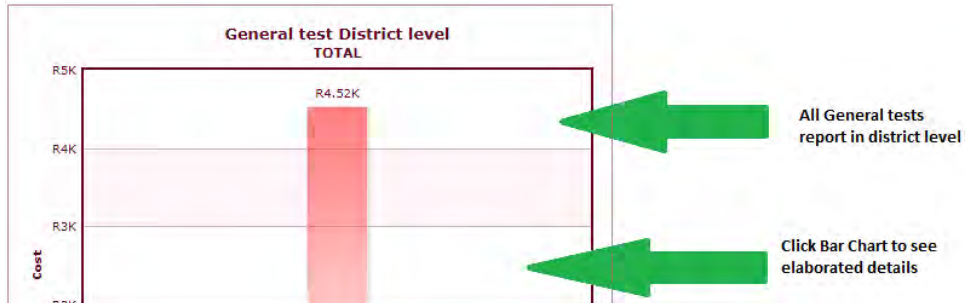
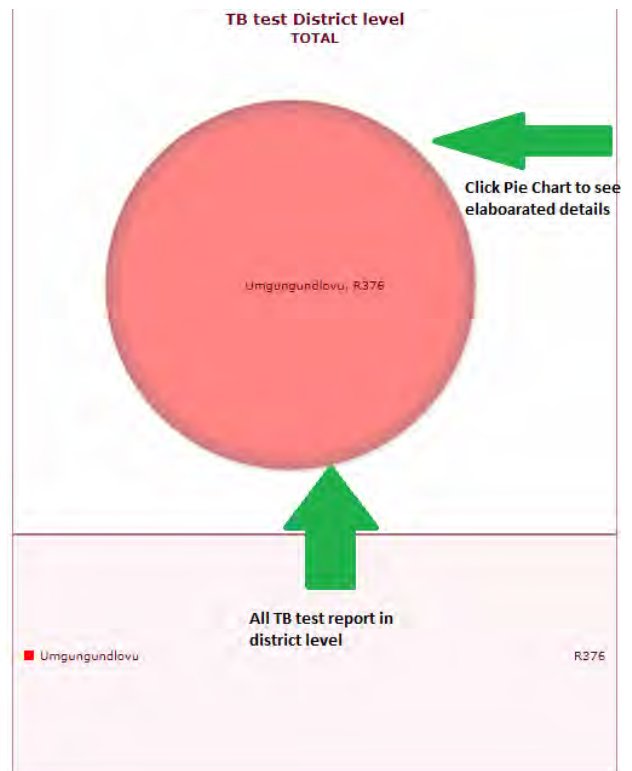
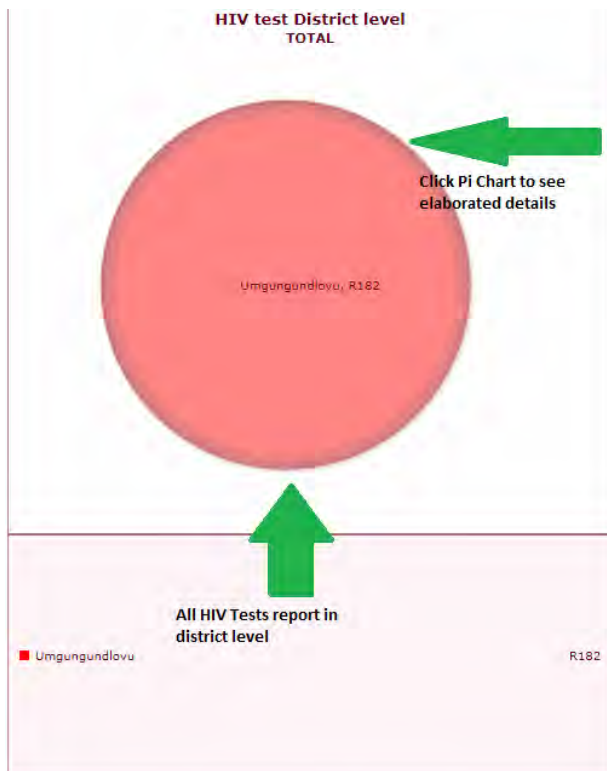
Pie chart graph

Table format report consisting all Districts and Total price of Odered Tests

Provincial Report Bar Graph Report

Bar graph format

Districts level reports



Explained District level reports



Lab Order Entry System

District Level TB

Click icons to export the page

District Name Select district

Institutions Name Select Institution

Test ordered date between and Search by date

Search after select i.e District

District Name	Institutions Name	Test ordered date	Test Name	First Name	Cost	Account no	Location code	incident no
Umgungundlovu	Northdale Hospital	2018/5/18	CDA COUNT (PLG)	Pieter	R182	52ZNOR000024	46N051	IN25961
Summary for Institutions Name: Northdale Hospital (1 detail records)								
	SUM				R182			
	COUNT				1			
Summary for District Name: Umgungundlovu (1 detail records)								
	SUM				R182			
	COUNT				1			
Grand Summary (1 detail records)								
	SUM				R182			
	COUNT				1			

Page << < 1 > >> of 1 Records 1 to 1 of 1 3

All details of patient per distict

Institution level reports

Laboratory Order Entry System


 Institution level General report
 









Test Name

Test Name	Incident No	Test Cost	Test Ordered Date	P First Name	P Gender	P Race	Facility Name
CREATININE	IN20357		2020/2/28 11:11:05	Jack	Male	African	Madadeni Hospital
DIFFERENTIAL COUNT	IN20356	R10	2020/2/25 19:26:36	Sabelo	Male	African	Madadeni Hospital
	IN20357	R10	2020/2/28 11:11:05	Jack	Male	African	Madadeni Hospital
	IN20358	R10	2020/2/28 11:42:44	Jack	Male	African	Madadeni Hospital
	IN20359	R10	2020/2/28 22:05:45	Jack	Male	African	Madadeni Hospital
	IN20360	R10	2020/2/28 22:11:05	Jack	Male	African	Madadeni Hospital
	IN20361	R10	2020/2/29 07:04:07	Musa	Male		Madadeni Hospital
	IN20362	R10	2020/2/29 07:12:42	Musa	Male		Madadeni Hospital
	IN20363	R10	2020/2/29 07:18:11	Musa	Male		Madadeni Hospital
HAEMOGLOBIN	IN20357	R10	2020/2/28 11:11:05	Jack	Male	African	Madadeni Hospital
	IN20361	R10	2020/2/29 07:04:07	Musa	Male		Madadeni Hospital
	IN20363	R10	2020/2/29 07:18:11	Musa	Male		Madadeni Hospital

Grand Summary (16 detail records)

SUM	R110			
COUNT	16			

Page   1   of 2 Records 1 to 3 of 4

Override test report

Lab Order Entry System

Overridden test report

Click any Icon to export the page

Doctor overridden a test: Please Select

Search the Doctor who Overridden the test

Test ordered date between: First ordered date and Test ordered date

Search based on dates

click search after

Institutions Name	District Name	Test Name	comment name	selection	Doctor overridden a test	Cost	incident no	First Name	Last Name	sex	specimen name	HCW N
Greys Hospital	Umgungundlovu	DIFFERENTIAL COUNT	Urgent	Other reasons	Dr Susan (B303)	R32	IN27021	nelly	brown	Female	BLOOD	Dara
		FULL BLOOD COUNT (FBC)		Previous specimen Haemolysed	dr naidoo	R58	IN27002	nelly	brown	Female	BLOOD	Dara
				Post Op	DR NAIDOO	R58	IN26997	nelly	brown	Female	BLOOD	Dara
				Prev spec. not received in LAB	dr moodley	R58	IN26996	nelly	brown	Female	BLOOD	Dara
			cdngflth	Other reasons	Dr Mrs Moodley (B401)	R58	IN26999	nelly	brown	Female	BLOOD	Dara
Northdale Hospital	Umgungundlovu	DIFFERENTIAL COUNT	Delays	Other reasons	Dr Shabby (B326)	R32	IN25959	Pieter	Brown	Male	ASCITIC FLUID	Reeba
			Urgent	Other reasons	Dr Mrs Moodley (B401)	R32	IN25960	Pieter	Brown	Male	ASCITIC FLUID	Reeba
				Other reasons	Dr Mrs Moodley (B401)	R32	IN26988	hghgg	hthyrf	Male	BLOOD, URINE	Reeba
Grand Summary (8 detail records)												
SUM						R359						
Page 1 of 1 Records 1 to 2 of 2												

Discharge patient

- Clicking “Discharge” icon form the Doctor`s dashboard shown in Figure 126 below

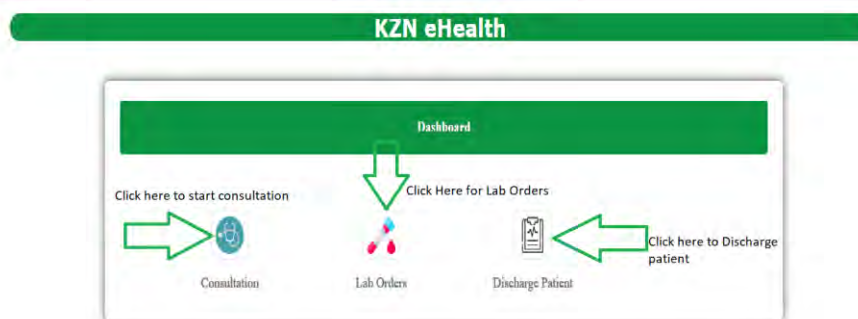


Figure 140

- Search patient using Patient Registration number as shown in Figure 127 below

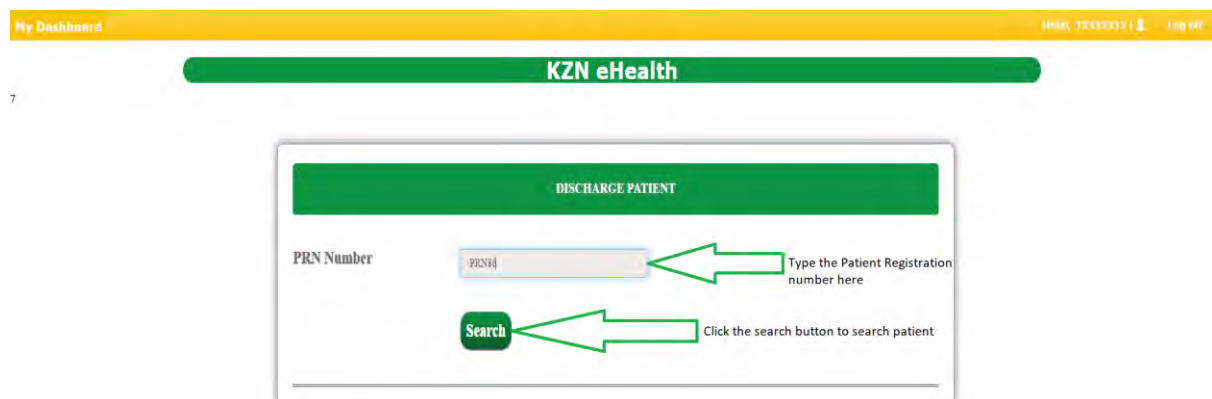


Figure 141

- Upon clicking “**Search**” button you will be directed to the page shown in Figure 128 below
- Click “**Select**” to view the patient you are discharging as shown in Figure 128 below.

DISCHARGE PATIENT

PRN Number

Click Select to discharge patient

Search

	Admission Number	Medical Record ID	Patient First Name	Patient Surname	Patient Admitted DateTime	Ward Name	Bed Type	Type of case
Select	57	254	Jack	Billy	2020/02/28 12:43:00	Ward 1A Regional Medical Male	Isolation	I
Select	65	321	Jack	Billy	2020/02/28 12:12:50	Ward 1A Regional Medical Male	Isolation	I
Select	66	321	Jack	Billy	2020/02/28 10:40:20	Ward 1A Regional Medical Male	Isolation	I
Select	67	322	Jack	Billy	2020/02/27 18:44:40	Ward 1A Regional Medical Male	Isolation	I
Select	68	322	Jack	Billy	2020/02/27 18:44:41	Ward 1A Regional Medical Male	Isolation	I
Select	69	322	Jack	Billy	2020/02/27 18:44:42	Ward 1A Regional Medical Male	Isolation	I
Select	70	322	Jack	Billy	2020/02/27 18:44:44	Ward 1A Regional Medical Male	Isolation	I
Select	71	322	Jack	Billy	2020/02/27 18:44:43	Ward 1A Regional Medical Male	Isolation	I
Select	72	322	Jack	Billy	2020/02/27 18:44:45	Ward 1A Regional Medical Male	Isolation	I
Select	73	322	Jack	Billy	2020/02/27 18:44:46	Ward 1A Regional Medical Male	Isolation	I

Figure 142

- Upon clicking “Select” you will be directed to the discharge form as shown in Figure 129 & 130 below
- Enter all the required fields as shown in Figure 129 & 130 below

The screenshot shows a discharge form with the following fields and instructions:

- Ward Name On Discharge:** Regional Medical Male (Instruction: Enter Ward name here)
- Date and Time:** 2020-02-20 16:26:16 (Instruction: This is Autopopulated)
- Outcome:** Discharged (Instruction: Click and Select Outcome here)
- Final Diagnosis Clinical Department:** MENTAL HEALTH DISORDERS (Instruction: Click and Select Final diagnosis Department)
- Patient's Final Condition:** BIPOLAR AFFECTIVE DISORDER (Instruction: Click and Select Final Condition)
- ICD10 Code:** F31 (Instruction: This is autopopulated)
- Discharge Summary:** The patient is well now. (Instruction: Enter Discharge Summary)
- Type Of bed:** Isolation (Instruction: Click and Select Type of bed)

Figure 143

- Clicking “OK” to continue to discharge patient by as shown Figure below 130

The screenshot shows the same discharge form as Figure 143, but with a confirmation dialog box overlaid. The dialog box contains the text "localhost:51084 says Continue to discharge patient...?" and two buttons: "OK" and "Cancel". Green arrows point to the "OK" button with the instruction "Click if you want to continue to discharge patient" and to the "Cancel" button with the instruction "Click here to cancel".

Figure 144

6.4 PHARMASIST HOME PAGE

View medication orders

This page contains Prescription-used for viewing and updating the medication orders, Dispense -used to update whether the medication has been dispensed (**see figure 131 below**)

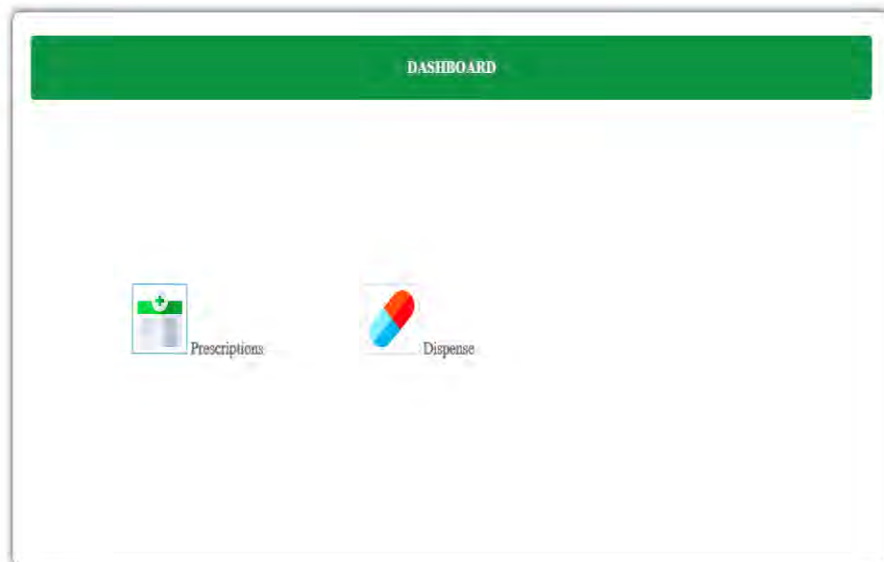


Figure 145

Viewing Orders

- Upon clicking “**Prescriptions**” icon you will be directed to the list of medication orders from a doctor where you will have to provide the prescription number as shown below in Figure 132
- Click “**Edit**” to update the prescription status as shown below Figure 132

Dispense

41

Cancel Search

Select	Prescription Number	Prescription Is Packed	Prescription Is Dispensed	Patient First Name	Patient Surname	Employee Name	Patient prescription	Patient Facility ID	Patient Ward ID	Patient Prescription location
	41	<input type="checkbox"/>	<input type="checkbox"/>	Zindi	Mzobe	Lesla McMure	Panada	56	1620	Main Pharmacy

Click to edit the status of the prescription

Prescription Number 41
Prescription Is Packed
Prescription Is Dispensed
Edit

Figure 146

- Click “**Update**” to update the medication status that it has been dispense as shown in Figure 133 below

Dispense

41

Cancel Search

Select	Prescription Number	Prescription Is Packed	Prescription Is Dispensed	Patient First Name	Patient Surname	Employee Name	Patient prescription	Patient Facility ID	Patient Ward ID	Patient Prescription location
	41	<input type="checkbox"/>	<input type="checkbox"/>	Zindi	Mzobe	Lesla McMure	Panada	56	1620	Main Pharmacy

Select to update the status of the prescription

Prescription Number 41
Prescription Is Packed
Prescription Is Dispensed
Update Cancel

Figure 147

6.5 RADIOLOGIST HOME PAGE

Refer to login section for logging in. (Landing pages are associated with your user level)

This page contains:

- **Radiologist`s Dashboard** (in Figure 134)
-Used to demonstrate what a Radiologist can do
- **X-ray Report**
-Used to report x-rays
- **Work List**
-Used to view list of patient`s X-rays requested

Radiologist Dashboard

- Click "**XR**ayReports" to report patient X-rays
- Click "**Work List**" to view to requested X-rays

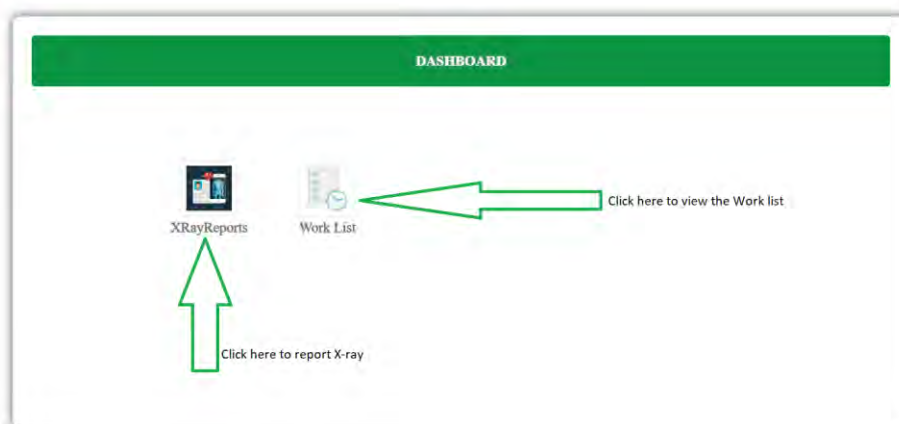


Figure 148

X-ray Report

- Search a patient using X-ray number to report X-ray as shown in Figure 135
- If the patient is found a record will be displayed as shown below in Figure 136

KZN eHealth

X-RAY REPORTS

X-Ray Number Type here the X-ray number

Click here to Search X-ray number

Click here to cancel search

Figure 149

- You have two options either to view vitals or add report
- Click the **“Add Report”** button to add X-ray report

X-Ray Request Number	93
HPR Number	PRN104
Patient First Name	David
Patient Surname	Jones
Patient Pregnant ?	
Request Date	2020/02/29 17:28:38
Transport	Wheel Chair
Clinical History	dfsf
Required Exam	CT Scan
Required information	dfvsfsef
Employee Name	Lee
Employee Surname	McMure
HPCSA Number	HTR2020LEE
Employee Tel No.	0742896028

Click here to view Patient Vitals Click here to Add report

Figure 150

- Upon clicking **“Add Report”** you will be directed to X-ray report form with an auto populated X-ray number as shown below in Figure 137.
- Fill in the X-ray report form and save or cancel X-ray report as show in Figure 137 to Figure 138

Figure 151

Figure 152

- Upon clicking “**Save Report**” button you will get an alert as shown below in Figure 139
- Click “**OK**” button in the alert to confirm that you want continue to add X-ray report.



Figure 153

View vitals

- Click “**View Vitals**” button to view the patient vital signs as shown in Figure 140 below

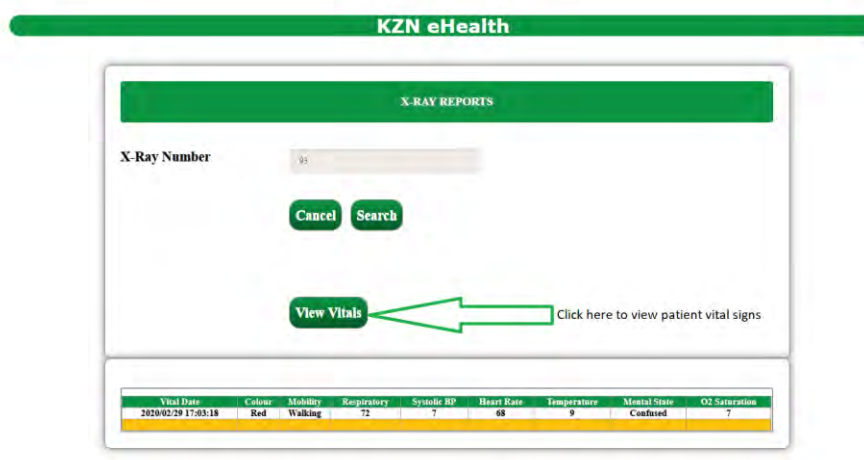


Figure 140

Work List

- Upon clicking “**Work List**” icon from the dashboard as show in Figure 134 above
- View the lists of requested X-rays and click “**Refresh**” as shown in Figure 141.

HPR Number	Patient First Name	Patient Surname	X-Ray Request Number	Required Examination	Request Date	Transport
PRN90	Jack	Bally	94	CT Scan	2020/02/29 18:40:55	Wheel Chair
PRN90	Jack	Bally	95	Altra Sound	2020/02/29 18:46:19	Wheel Chair

Refresh Click Refresh button to Clear the X-ray Request List

X-ray request List here

Figure 141

health
Department:
Health
PROVINCE OF KWAZULU-NATAL

www.kznhealth.gov.za

MY HEALTH, YOUR HEALTH, OUR HEALTH: A HEALTHY KWAZULU-NATAL.

Register Log in

KZN eHealth

THANK YOU THE END