Wentworth Institute Of Technology

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Web-Portal User Manual

Medical Mirror

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Table of Contents

1 Doctor Web-Portal

Welcome to the Medical Mirror Web-Portal User manual. This section is describing the use and characteristics for a doctor level account while using the Medical Mirror Web-Portal. In this section we

will describe each page and it's function as well as some helpful diagrams and descriptions for each part of any given page. The doctor sections begins at the Overview page and it is assumed that you are logged in with the credentials provided by your medical institution. If you do not know your credentials then please contact your medical institutions administrator for the Medical Mirror Web-Portal.
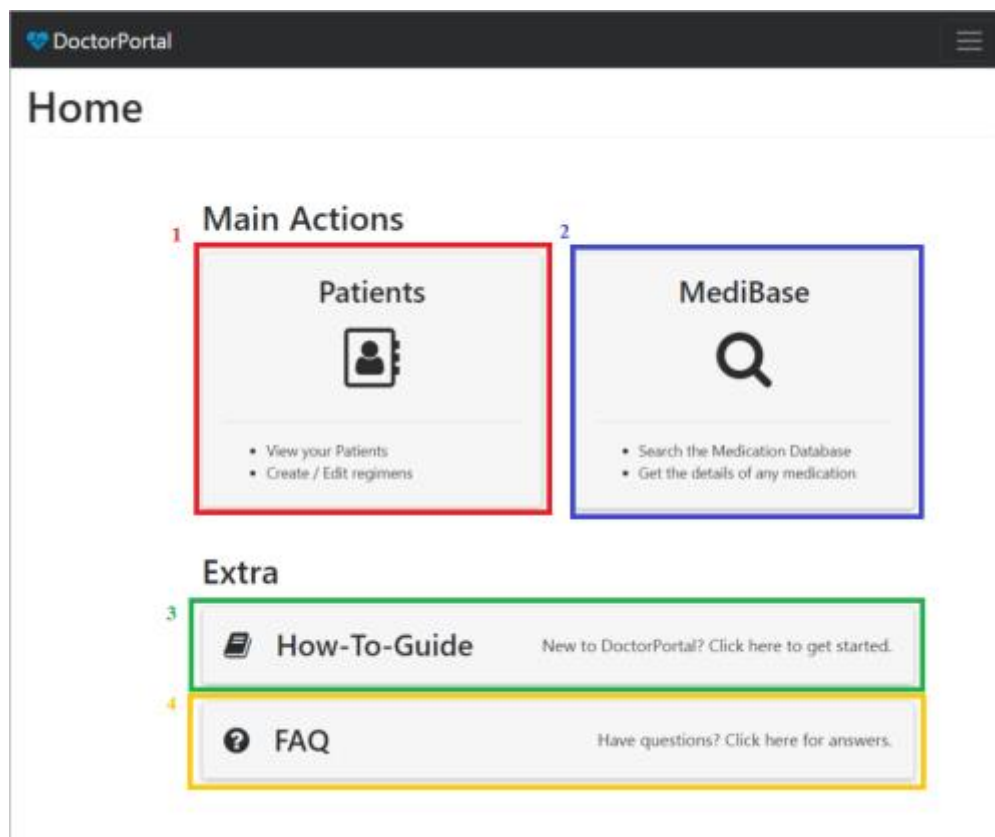
1.1 Overview Page

Figure 1: Overview Page

This section will describe the Overview page which is the first page presented to you after you log in. The first part of the page is the "Patient" icon shown in **Figure 1** in red and marked 1. This icon links to the patient page which gives you a list of all of your patients who have Medical Mirror Interfaces. This page also will give you access to individual patient profiles which in turn let you access regimens and reports for individual patients. So you will follow this link for a majority of what you will do with this web-portal.

The second part of the page is the "MediBase" icon shown in **Figure 1** in the blue and marked with a 2. This icon links to the Medical Mirror Web-Portal's built in medication database search tool. From that page you will be able to search and see detailed information about medications you may be prescribing your patients. All information show on this page is sourced from OpenFDA which is a database owned and maintained by the FDA.

The third part of the page is the "How-To-Guide" icon shown in **Figure 1** in the green and marked 3. This icon links to a helpful how-to-guide which provides general knowledge and

tips for navigating and using the Medical Mirror Web-Portal. This link provides brief descriptions of functions present for patients and patient profile pages. As well as functions for the creation and management of regimens for an individual patient. It also provides a listing of options present for the medibase page.

The fourth part of the page is the "FAQ" (frequently asked question) icon shown in **Figure 1** in yellow and marked 4. This icon links to the FAQ page which provides a list of frequently asked questions and their answers.
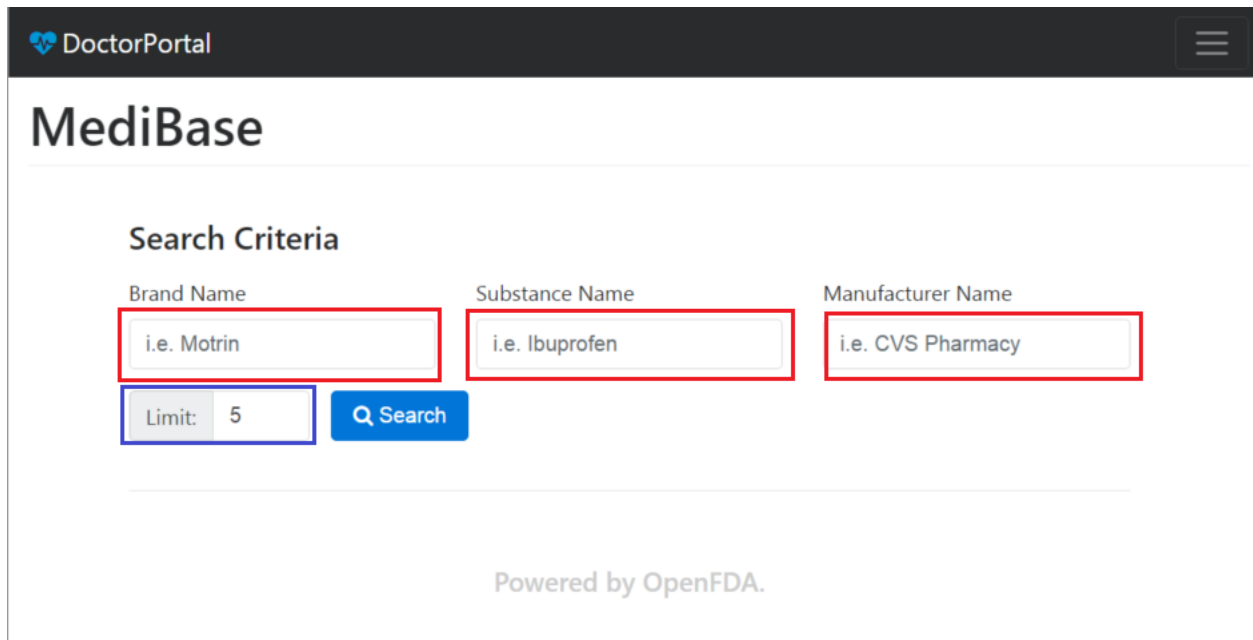
1.2 How-To-Guide page
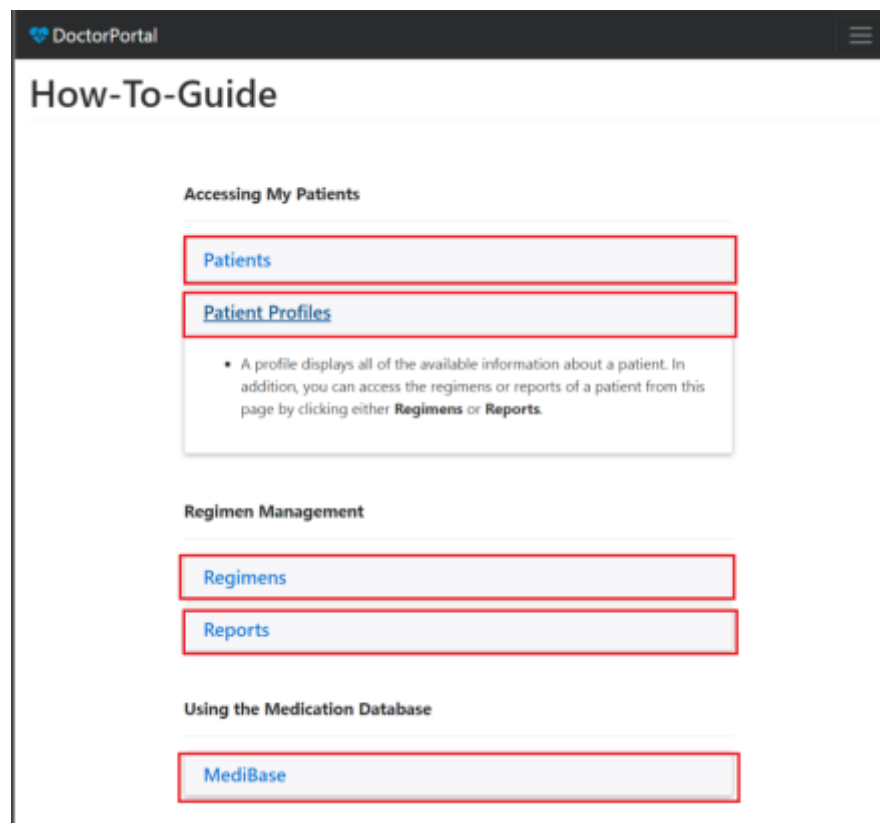
Figure 2: How-To-Guide Page

This section describes the how to guide page which is navigated to through the overview page. This page provides a helpful how-to-guide composed of general knowledge and tips for navigating and using the Medical Mirror Web-Portal. Each section marked in red in **Figure 2** expands and provides brief descriptions of functions present for patients and patient profile pages. As well as functions for the creation and management of regimens for an individual patient and also provides a listing of options for searching the medibase page.

1.3 FAQ page

The FAQ page serves a similar function to this guide and provides guidance and answers to common questions you may have as a doctor on this page.

1.4 MediBase page

Figure 3: MediBase Page

This section describes the MediBase page which is navigated to through the overview page This page is a tool which allows you the doctor to search the OpenFDA medication database for information about medications. In **Figure 3** above the sections marked in red are the fields which are the search criteria that can be used to search the OpenFDA database. You can search by a single field or with all three for a medication. You can search for a medication by it's brand name, a substance present in it or the name of the manufacturer of the medication. These search criteria are then queried to the OpenFDA database and return the best matches. The limit on the number of returns can be changed in the field marked in blue in **Figure 3**. Then the results are displayed below the search menu and can be clicked into for more detailed information.

Above in **Figure 4** is an example of a return for a search of Advil Liquid Gels from the MediBase page. Within a return the purpose, usage, substance, manufacturer, product type, route and product NDC will be listed where applicable.

1.5 Patients page

Figure 5: Patients Page

This section describes the Patient's Page which can be navigated to through the overview page. This page provides a list of all patients assigned to you the doctor and allows you to filter sort and search this list as needed. Above in **Figure 5** marked in red are the columns which a patient list can be sorted by with either ascending or descending patient IDs, First Names or Last Names. The columns shown can also be changed with the drop down menu in **Figure 5** which appears when the ▦ ▾ icon is clicked. From here you can select to add or remove any of the columns from the patient table. You can also search your patient list by any of the fields using the search bar shown in **Figure 5** in purple in the upper right corner. The list of visible patient per page can also be increased or decreased using the dropdown menu with rows per page marked in **Figure 5** in brown in the lower left portion of the page.

1.6 Patient Profile Page

6

This section describes the Patient Profile Page which can be navigated to through the overview page then the patients page. This page provides a general overview of a patient as well as provides links to a patient's reports page and regimens page. Shown above in **Figure 6** marked in red is the patient information template. In this template a patient's basic information will be shown like their full name, email address, phone number and home address. This allows you as a doctor to search patients who have a Medical Mirror Interfaces and contact them. Also shown above in **Figure 6** is the Regimens icon which is marked in blue. This icon links to the regimen page and is how you as the doctor will create, manage and remove regimens for your patients Medical Mirror Interface. There is also another icon shown in **Figure 6** which links to the reports page marked in green. The reports page is how you as the doctor will check to see if your patient is utilizing their Medical Mirror Interface and see their responses.
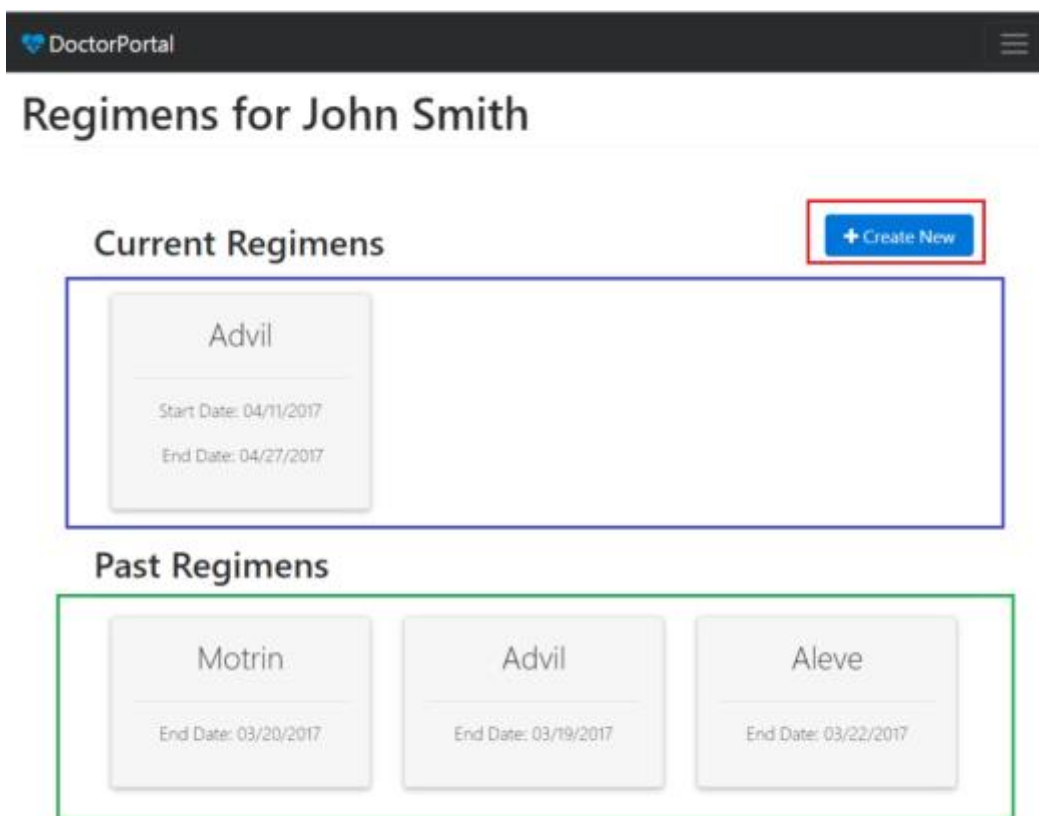
1.7 Regimens Page

This section describes the Regimens Page which can be navigated to through the overview page then the patients page then the patient profile page. This page is the main tool of the Medical Mirror Web-Portal and it's purpose. On this page you the doctor manage a patient's regimens which in turn generates notification for your patient on their Medical Mirror Interface. Shown above in **Figure 7** is the base page of a patient's Regimens Page. On this page you can see cards for both current and past regimens for a patient. Shown in **Figure 7** in the blue region is the section for current regimens which are regimens that have an end date that is either the current date or some date in the future. Cards in this region display the name of the medication as well as the start date and end date scheduled for that medication. Show in **Figure 7** in the green section are cards for regimens which are in the past and contain end date which are older than the current date. Cards in this region display the name and end date of the medication. Only cards in the current section can be edited or deleted while cards in the past section can be examined but

not changed. To create new regimens you will click on the button shown in **Figure 7** marked in red.

By clicking the Create New button you will be presented with the screen shown in **Figure 8** above. Here you will specify all the details of a regimen for a patient.

1. First you must enter a name for the regimen. Preferably the name of the medication for easier future reference. In the field marked with red in **Figure 8**

2. Second you must select the start and end dates of the regimen. These dates can be extended in the future but must be set initially. Open the calendar by clicking the button in the regions marked in blue in **Figure 8**

3. Third you must select on what days and what times the medication is to be consumed. A time can be added to a date by selecting the button marked in the yellow regions in **Figure 8**. This will have a drop down menu which you select the time the medication is to be due. You may only set a medication to be due a maximum of 10 times on any given day.

4. Fourth you can duplicate a week schema if the regimen is always due at the same times each week. This can be done by selecting slider marked in orange in **Figure 8.** This will replicate that week schema for the rest of

the weeks between the first day of that week and the end date. Only replicating times on valid dates in a week schema.

5. Fifth you can add a dosage instruction if there is some special note you have for a patient which can be viewed on their Medical Mirror Interface.This field is marked in brown on **Figure 8**. This could be something like "Consume with a meal" or other specific and uncommon instructions to go along with that medication.

6. Sixth you must save your regimen by clicking the [Save] shown in the purple region in **Figure 8**. This is to ensure the regimen is sent to the database and that your patient will receive it.
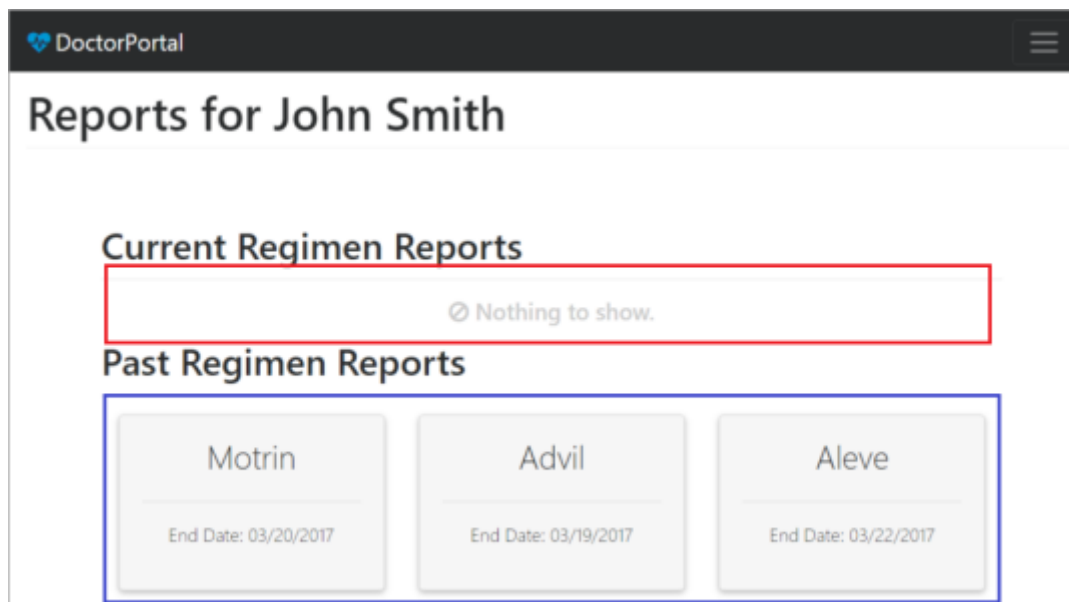
1.8 Reports Page

Figure 9: Reports Page

This section describes the Reports Page which can be navigated to through the overview page then the patients page then the patient profile page. This page provides you the doctor with useful analytics about your patient and their habits for taking their medication. After navigating to the reports page you are presented with a base display similar to the regimen page. This page shows all of a patient's regimens both past and present to review. Shown in **Figure 9** above in the red section is where cards would be for regimens which a patient is still currently adding to. Where the end date is either the current date or some date in the future. Also shown in **Figure 9** above in the blue section is where cards for past regimens are show. These cards represent regimens with end dates already past the current date. You can select either of these types of cards in these sections and review the reports for that regimen.
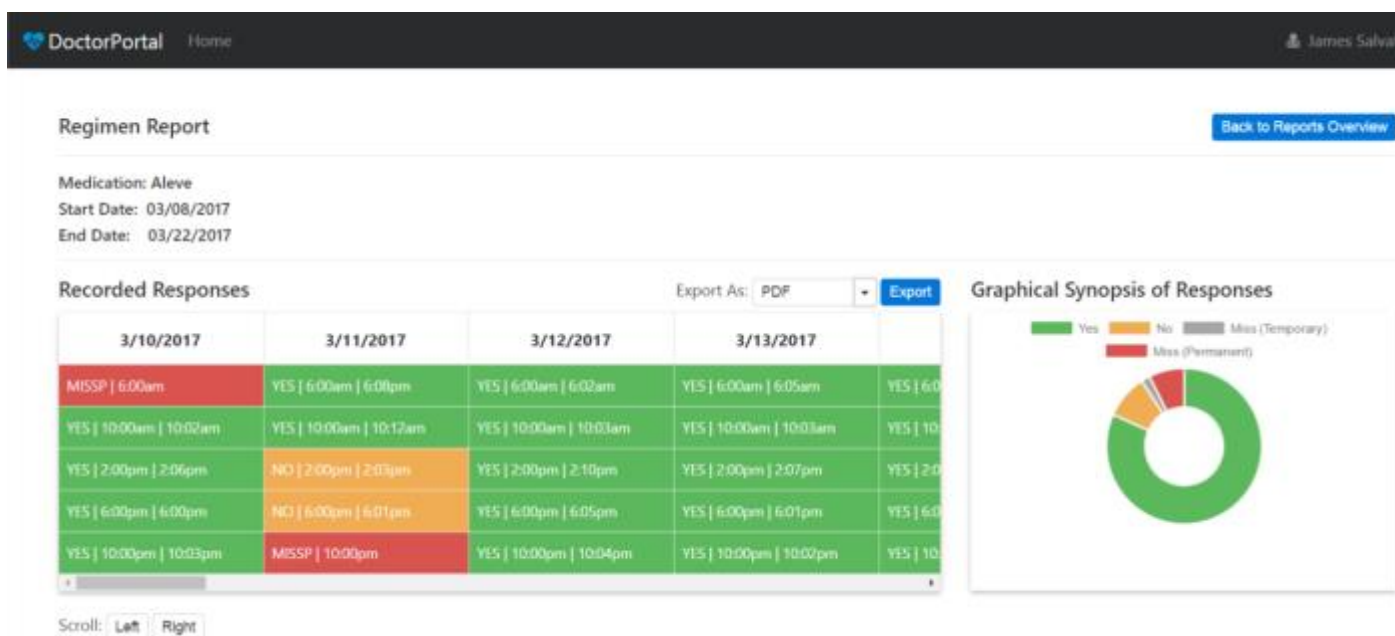
Shown above in **Figure 10** is an example of a report for a regimen. In this report you can see the name of the medication. The start and end dates for the regimen. You can also see the patients responses represented as a table and graph. You can scroll through the table and see the responses a patient gave on any given day for any given time slot for their regimen. In both the table and graph responses are represented in one of four ways.

- **YES** - The patient responded 'YES' to taking their medication at the scheduled time in the regimen. This is represented with green on the table and graph
- **NO** - The patient responded 'NO' to taking their medication at the scheduled time in the regimen. This is represented with yellow on the table and graph
- **MISST** - The patient missed their medication, and have yet to respond (they have 12 hours from the original scheduled time to respond). This is known as a temporary miss. This is represented by gray on the table and graph.
- **MISSP** - The patient missed their medication and did not respond within 12 hours of the original scheduled time and no longer have a chance to respond. This is known as a permanent miss. This is represented by red on the table and graph.
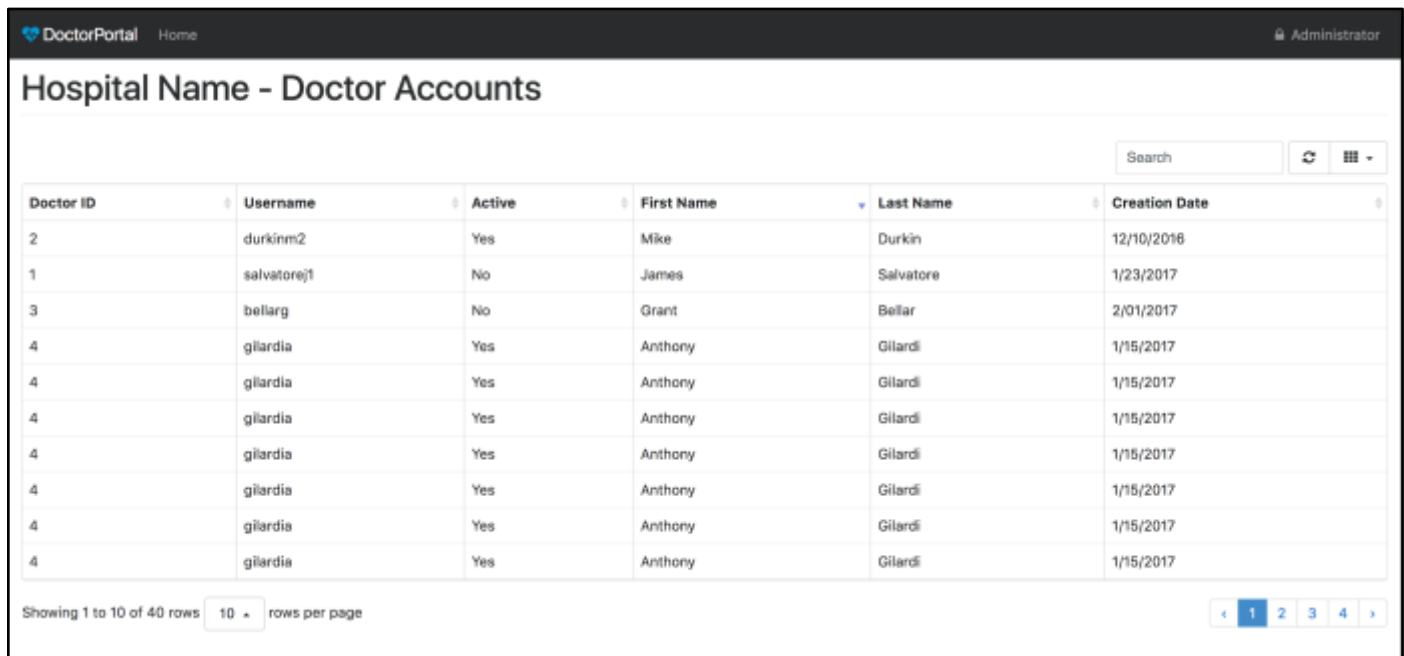
This data can also be exported as either a PDF, Excel (XLSX), CSV or TXT so it can be view and analysed outside of the Medical Mirror Web-Portal. This is done by selecting a file type

from the drop down menu and selecting the **Export** button above the table.

2 Administrative Web-Portal

Welcome to the Medical Mirror Web-Portal User manual. This section is describing the use and characteristics for an Administrator level account while using the Medical Mirror Web-Portal. In this section we will describe the Administrative Page and it's function as well as some helpful diagrams and descriptions for each part. . The Administrator sections begins at the Administrator page and it is assumed that you are logged in with the credentials provided by your medical institution. If you do not know your credentials then please contact your Medical Mirror representative for your medical institution.

2.1 Administrative Page

Figure 11: Administrative Page

This section will describe the Administrative page which is the first page presented to you after you log in. The page presents a list of all doctors who are currently or at one time or another been registered to use the Medical Mirror Web-Portal. This list can be sorted searched and changed. The table of doctors can be sorted in ascending or descending order by Doctor ID, Username, Active, First Name, Last Name, or Creation Date as shown in **Figure 11**. The visible columns can also be changed by clicking on the icon in the upper right corner of **Figure 11** and selecting or deselecting columns from the drop down . You can also search for doctors using the search field in the upper right of **Figure 11.** The number of doctors shown per page can also be changes with the drop down menu in the lower left of the page.
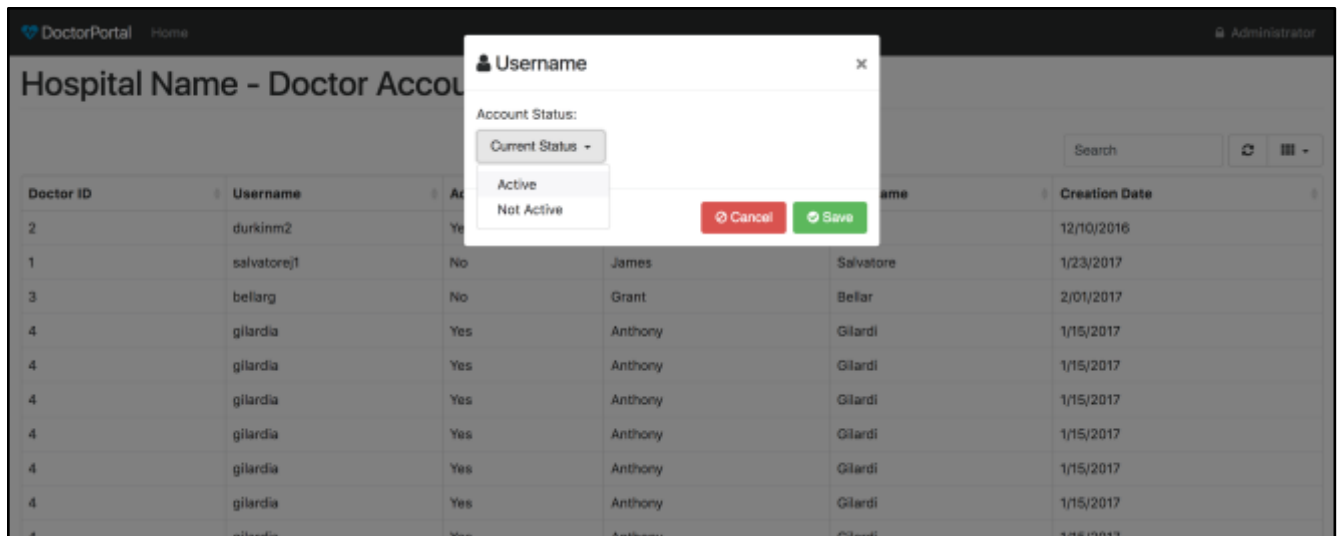
Figure 12: Administrative Page (activate/deactivate)

You can select any doctor in the list and view their status. After selecting a doctor you will be prompted with a card as shown in **Figure 12** above. From here as an administrator you can select to activate or deactivate a doctor's account with the drop down menu of current status. You can then save the change and the update will be sent to the database and ensure the change is applied to the doctor's account for when they log in. either preventing or allowing them to sign in.