

# Abylss Systems

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# CMS Release 7.2.1

**Abylss Care Management System Release Notes**  
July 2020



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## Release Overview

Information regarding the care of your residents is more important than ever, especially during this unprecedented pandemic.

In our quest to ensure that your carers have a complete overview of a resident's daily care from a single point of entry, Aplyss Systems has developed the CMS Integration Service.

We have initially integrated with an eMAR system provided by Invatech Health called Atlas. The data that is being shared from Atlas to Aplyss CMS is:

- resident's latest medication
- medication given as a daily care note
- medication refused as a daily care note

In the future, Aplyss Systems will look to build on this service by adding additional applications to be integrated with.

### **What is an integration service?**

An integration service provides a mechanism which helps in an efficient data flow from one application to another. In other words, it shares information from other applications, which your home may use, into the Aplyss CMS system.

## CMS Integration Service

We have developed a new CMS Integration Service which will enable CMS to receive information from third party care applications.

The first external application that we have created an integration with is the Invatech Health Atlas application. The Atlas system is an electronic medication management system.

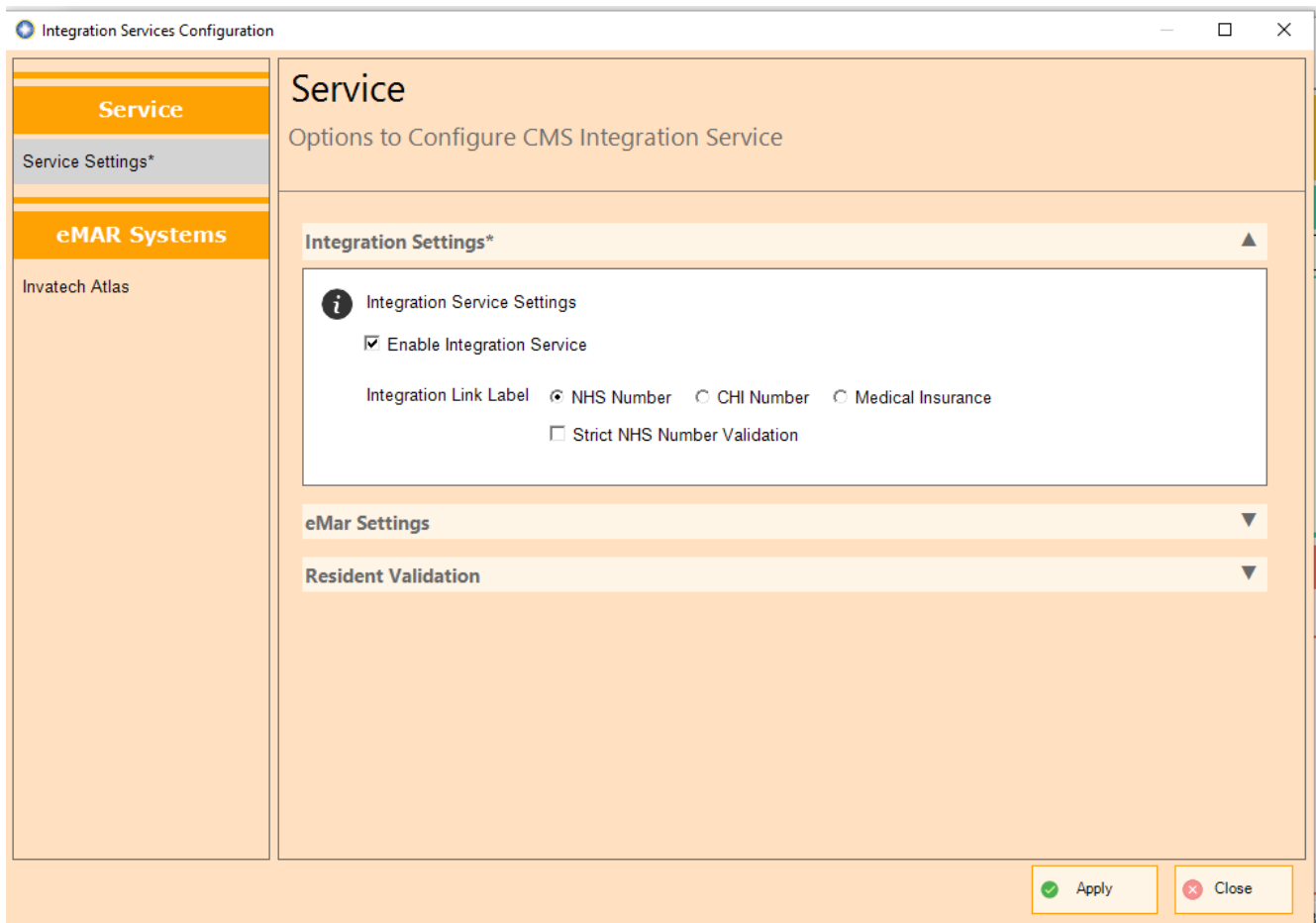


### Key Points

- This is run as a Windows service, i.e. this runs as a background process.
- Once the service is started there is no further action required by yourself for the information to be imported.
- Aplyss does not supply the external applications, you will need to subscribe directly with the supplier.
- The resident **NHS number** is the key element in linking external systems to Aplyss CMS.


## Integration Settings

Firstly, you will need to setup the Integration Service. This can be found via your Tools menu > Integration Options > Integration Settings.



- Check Enable Integration Service
- Choose your naming of your medical number
- If you want to enforce strict NHS Number Validation, this will not allow an invalid NHS number, duplicate or null when setting up residents.

**eMar Settings**

 eMar Integration Settings

Medication  Allow User to Add  Allow User to Delete

Once the service is enabled, you will automatically be unable to add or delete medication from the CMS system. You can overwrite this by checking either or both medication check boxes

**Resident Validation**

Resident	NHS Number	Verify	Message
Armstrong, June	943 476 5919	✓	
Brannen, Eileen	18787878	⚠	Invalid NHS Number
Dolbey, Harry		⚠	No NHS Number
Duddy, Mary	943 476 5910	✗	Duplicate NHS Number
Faulkner, Eliza	943-476-5910	✗	Duplicate NHS Number
Flowers, Dolly		⚠	No NHS Number
Goodie, Dorothy		⚠	No NHS Number
Green, Bertha		⚠	No NHS Number
Higgins, Hilda		⚠	No NHS Number
Hilton, Henry		⚠	No NHS Number
Jones, May		⚠	No NHS Number
Losban, Philip		⚠	No NHS Number

The Resident Validation is a list of your current residents and reports on the validity of their NHS numbers.

## Resident / Resident Wizard

Once the Service Settings have been setup you will see that the resident will have a dedicated field for NHS Number. If you configured the CMS system to capture an NHS Number previously, this information will not have to be recaptured as the service settings initialise would have updated the NHS Number automatically.

Ensure that you update the NHS numbers for all your current residents before proceeding to configure the Invatech Atlas Settings.

The screenshot displays the 'Edit Resident Eliza Faulkner' interface. It is divided into several sections:

- Header:** 'Eliza Faulkner' and 'Edit Resident Eliza Faulkner'.
- Left Panel:** 'Resident' section with 'Basic' and 'Background Information' tabs. The 'Basic Information' section includes:
  - Resident ID: SU000007XX
  - Site: Abyss Home
  - Forenames: Eliza
  - Surname: Faulkner
  - Known As: Eliza
  - Title: Mrs, Gender: F
  - D.O.B: 14/07/1939, Age: 81
  - NHS Number: 943-476-5910 (indicated by a red arrow)The 'Background Information' section includes:
  - Place of Birth
  - Marital Status: Widowed
  - Former Occupation
  - Religion: Church of England
  - Nationality: British
  - Ethnic Origin: White
  - NI Number (indicated by a red arrow)
- Center Panel:** 'RESIDENT WIZARD' with a welcome message and instructions: 'Welcome to the Resident Wizard. You can move backwards and forwards through the wizard or, if you choose, you can cancel at any time. If an item does not appear in a selection list, then you can click on the blue cross to add new items.'
- Right Panel:** 'RESIDENT DETAILS (1)' with the following fields:
  - Title: Mrs (with a blue cross icon)
  - Forenames: Eliza
  - Surname: Faulkner
  - Known As: Eliza
  - Site: Abyss Home
  - Gender: Male (radio), Female (radio, selected)
  - D.O.B: 14/07/1939, Age: 81
  - Marital Status: Widowed (with a blue cross icon)
  - NHS Number: 943-476-5910 (indicated by a red arrow)
- Bottom Panel:** 'Cancel', 'Next', and 'Finish' buttons.
- Footer:** 'Resident's Name: Faulkner, Eliza', 'Filter: Current Residents', and 'Record 5 of 15'.

## Invatech Atlas Integration Settings


Once you have captured your residents' NHS number, you will need to setup the Atlas Integration Service. This can be found via your Tools menu > Integration Options > Integration Settings > eMAR Settings

The screenshot shows a web application window titled "Integration Services Configuration". The main content area is titled "Invatech Atlas" and contains the text "Options to Configure Invatech Atlas Integration". On the left, there is a navigation menu with "Service" and "eMAR Systems" sections. Under "eMAR Systems", "Invatech Atlas\*" is selected. The main configuration area is divided into sections: "Connection Settings\*" (expanded), "Import Settings", and "Import Reports". The "Connection Settings\*" section includes an information icon, "Atlas Connection Settings", a checked checkbox for "Enable Atlas Integration", and three input fields: "Frequency (mins)" with the value "60", "Atlas API Endpoint" with the value "https://pcs.invalife.net", and "Atlas API Key" with a long alphanumeric string. At the bottom right, there are "Apply" and "Close" buttons.

- Check Enable Atlas Integration
- Enter the frequency you would like to check for updates.
- Enter the Atlas API Key. The key can be found on your Atlas Web Portal, under Atlas Control. From Menu go to integration and choose Aplyss CMS. Copy the API Key and paste it here.













### Import Settings

 Atlas Import Settings

Medication Administration     Record Refused     Record Administered

All medication from the Atlas eMAR system will automatically be imported into the Aplyss CMS Medication section. If you want a Daily Note to be created for the medication administered or refused check the relevant import setting.

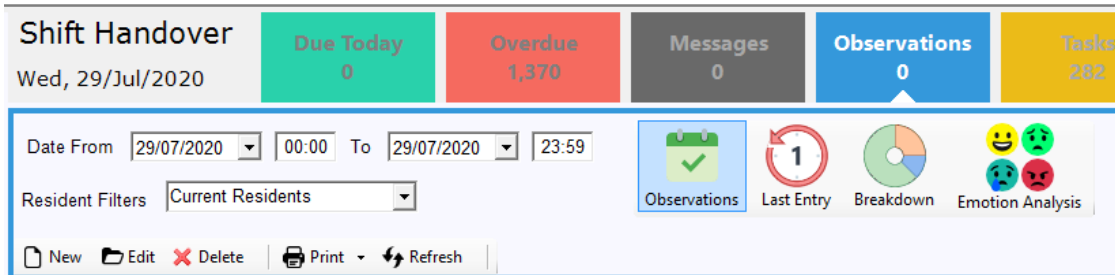
### Import Reports

Resident	NHS Number	Verify	Message	Last Updated
Mrs Ela Demo-JohaneK	18787878		No Matched Resident. Invalid NHS Number	04/06/2020 12:18:00
Mrs Cherise Demo-Dougan	0		No Matched Resident. No NHS Number	04/06/2020 12:18:00
Ms Oscar Demo-Shuart	0		No Matched Resident. No NHS Number	04/06/2020 12:18:00
Miss Isaias Demo-Hayase	1159061726		No Matched Resident.	01/07/2020 11:55:00
Mr Michael Demo-Moh	544464434		No Matched Resident. Invalid NHS Number	04/06/2020 12:18:00
Dr Barack Obama	3354441852		No Matched Resident.	04/06/2020 12:18:00
Mr Mike Wiggins	542479079		No Matched Resident. Invalid NHS Number	04/06/2020 12:18:00
Miss Roxanne Test	2035348633		No Matched Resident.	04/06/2020 12:18:00
Miss Bell Test	7492148232		No Matched Resident.	04/06/2020 12:18:00
Mr Dave Bird	36990515		No Matched Resident. Invalid NHS Number	04/06/2020 12:18:00

The Import Report will give you a list of the latest residents on the Atlas eMAR system and whether they have successfully been imported.

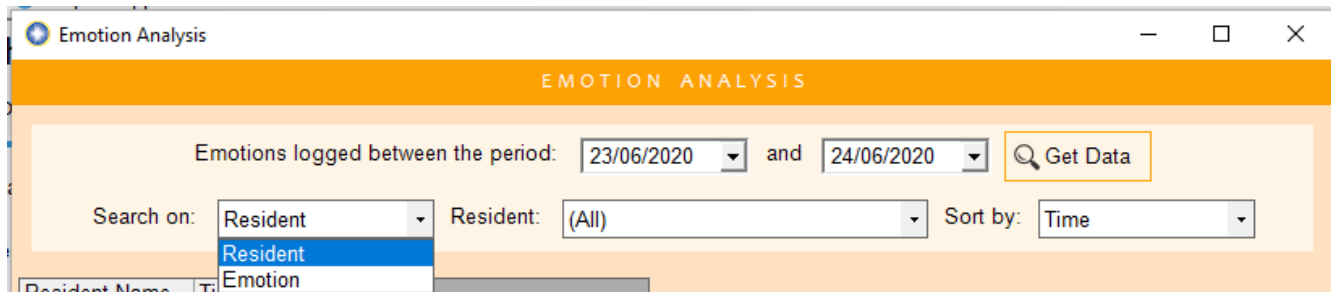
## Emotion Analysis

We have added a new feature to the Shift Handover, namely Emotion Analysis. This will give you the ability to view and analyse the emotions that have been logged against a daily care note or daily care assessment. This can be found on the Shift Handover screen when viewing Observations.



This emotion analysis tool will enable you to get a quick overview of how your residents are feeling throughout the day or over a period of days. The tool enables you to pick up on patterns of how often specific emotions occur and at what time of the day.

## Data Selection



- Select the date range that you wish to analyse (it will default today)
- Click on 'Get Data' to retrieve the emotions from the selected date range
- NB! When changing the date range or to refresh the data to examine, click on 'Get Data'
- Choose to search on Resident or Emotion

## Search on: Resident

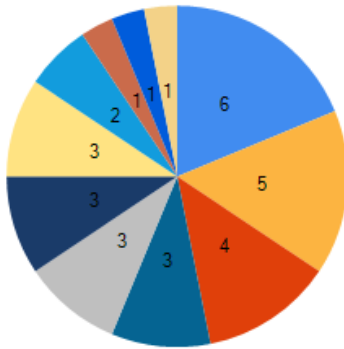
EMOTION ANALYSIS

Emotions logged between the period:  and  🔍 Get Data

Search on:  Resident:  Sort by:

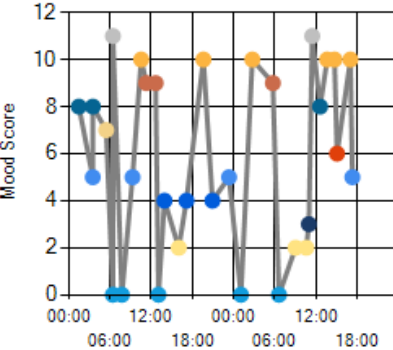
Resident Name	Time	Emotion
24/06/2020		14
Betty Abbott	17:20	Tearful
Betty Abbott	17:03	Sleepy
Betty Abbott	15:06	Worried
Betty Abbott	14:44	Sleepy
Betty Abbott	13:40	Sleepy
Betty Abbott	12:38	Fearful
Betty Abbott	11:29	Confused
Betty Abbott	11:00	Content
Betty Abbott	10:38	Happy
Betty Abbott	09:04	Happy
Betty Abbott	06:39	Unknown
Betty Abbott	05:46	Angry
Betty Abbott	02:46	Sleepy
Betty Abbott	01:07	Unknown
23/06/2020		18

Total of Each Emotion



- Sleepy - (6)
- Unknown - (5)
- Tearful - (4)
- Fearful - (3)
- Angry - (3)
- Sad - (3)
- Happy - (3)
- Confused - (2)
- Annoyed - (1)
- Content - (1)
- Worried - (1)

Emotion over period

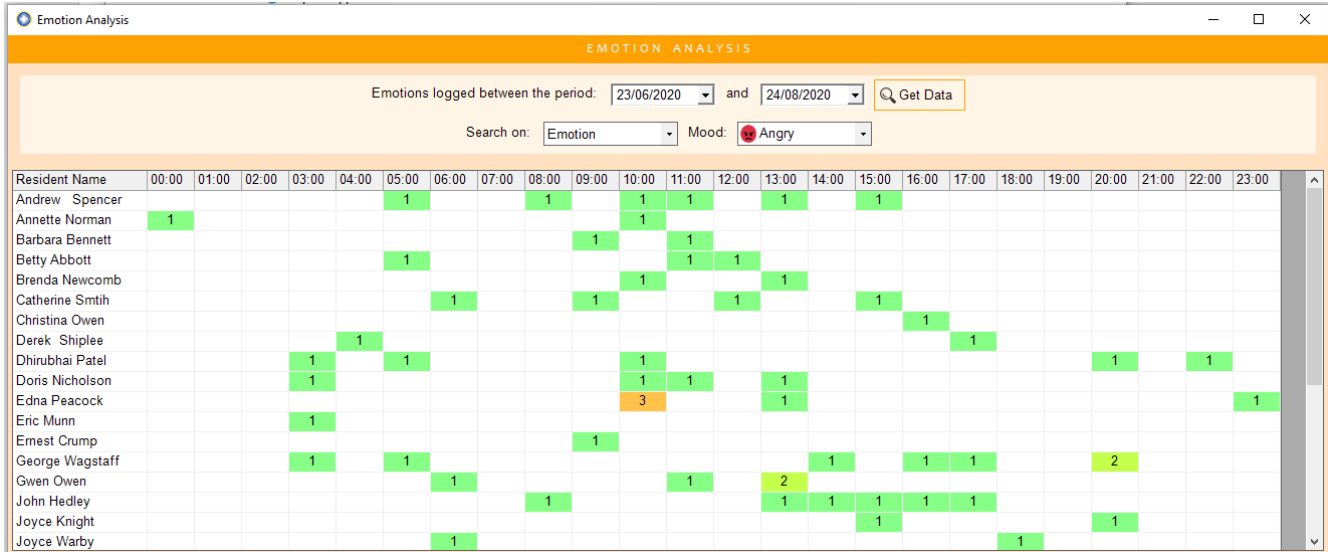


- Tearful
- Sleepy
- Worried
- Fearful
- Confused
- Content
- Happy
- Unknown
- Angry
- Sad
- Annoyed

- ❖ The screen has 3 main areas, firstly, on the left we have the details of the emotions:
- ❖ The top right side contains a total of each emotion
- ❖ The bottom right (specific resident only) charts the emotions over the period.

- Choose '(All)' for all residents or pick a specific resident from the dropdown
  - Data will be grouped by date
- Sort by Resident or Time (All Residents)
  - By Resident: data will be sorted within each date by resident name by descending recorded time
  - By Time: data will be sorted within each date by descending recorded time.
- Emotions over a period will chart by:
  - Time if date range is three days or less
  - Date if date range is four days or more
  - The mood score is obtained from the emotion's category (Admin > Administration)

## Search on: Emotions



- Select a specific emotion to analyse.
- Displays an hourly breakdown for all residents for the number of times that the specific emotion occurred.
- Number of occurrences will be shaded from green to red, where green is 1 incidence.

## Incident Analysis

The ability to analyse the Accident and Incident for residents, employees, the home and in total has been added. This tool will give a graphical overview of accidents and incidents using different selection criteria.

### Data Selection

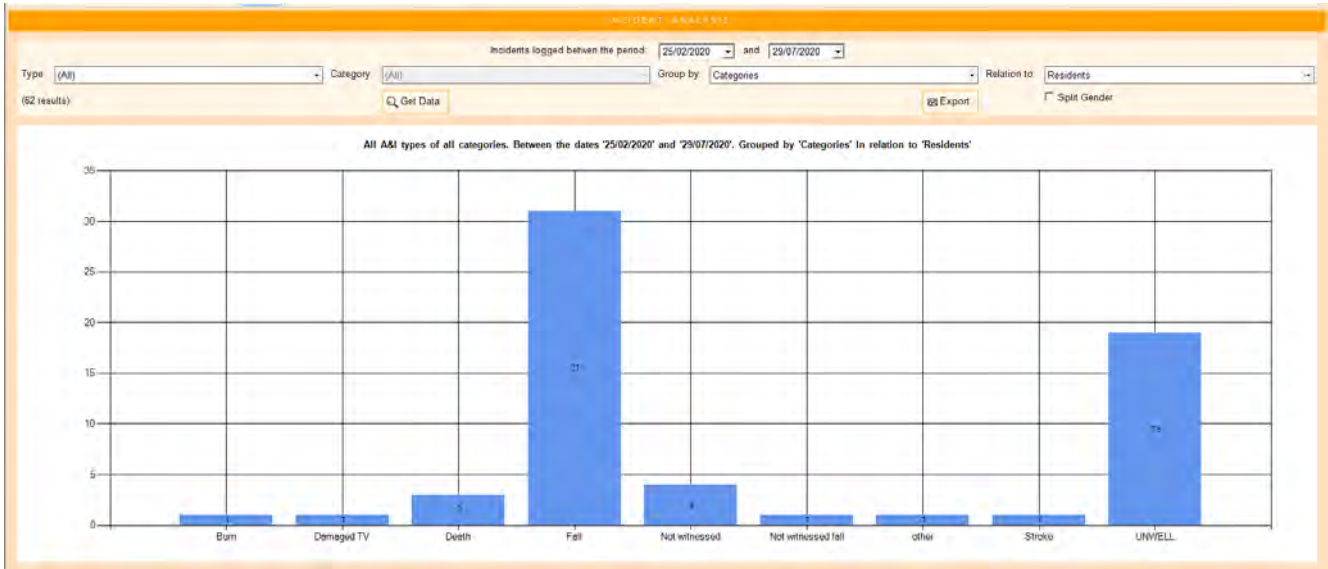
The screenshot displays the 'Accidents & Incidents' data selection interface. At the top, there is a title bar 'Accidents & Incidents' and a toolbar with icons for New, Edit, Delete, Save, Cancel, Details, List, Analyse, Print, and Attach. Below the toolbar, there is a search bar with the text 'Incidents logged between the period: 25/03/2020 and 29/07/2020'. The search criteria are: Type: ACCIDENT, Category: Fall, Group by: Location, and Relation to: Residents. There is a 'Get Data' button and an 'Export' button. The status bar at the bottom indicates '(11 results)' and 'A & I Record 0 of 0'.

- Select the date range that you wish to analyse (it will default one month)
- Select specific reporting Type or (All)
- Select specific Category or (All) – if all reporting types have been selected this will be (All)
- Group by Categories, Incident Details, Location or Timeframe
  - Categories will not display if a single category has been selected
  - Incident Details – CQC notified, RIDDOR Issued, Social Services Involved, Relatives Informed, Police Involved, Death, or Discharge
  - Location – where the accident / incident occurred
  - Timeframe – an hourly breakdown of when accidents / incidents occur
- Relation to – (All), Residents, Employees, or Home
- Split Gender will display if you view the information in relation to residents or employees

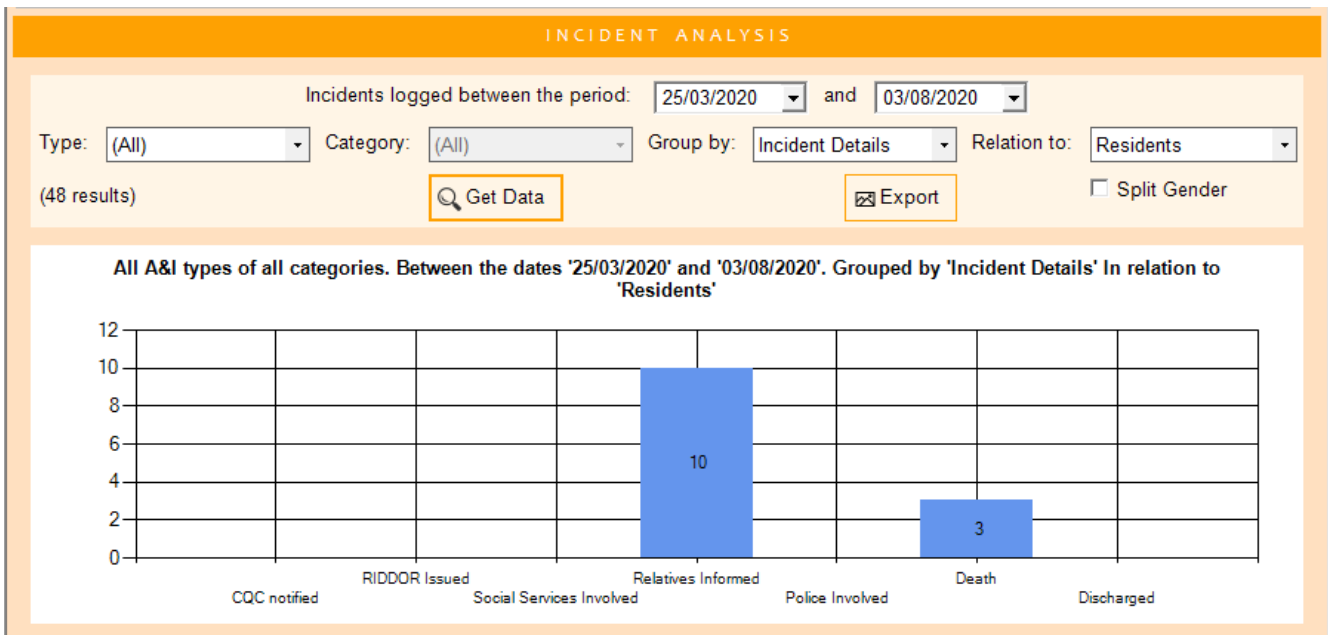
Click on 'Get Data' to retrieve the data based upon your data selection

Export button will create an image of the graph so that you can add it to any document.

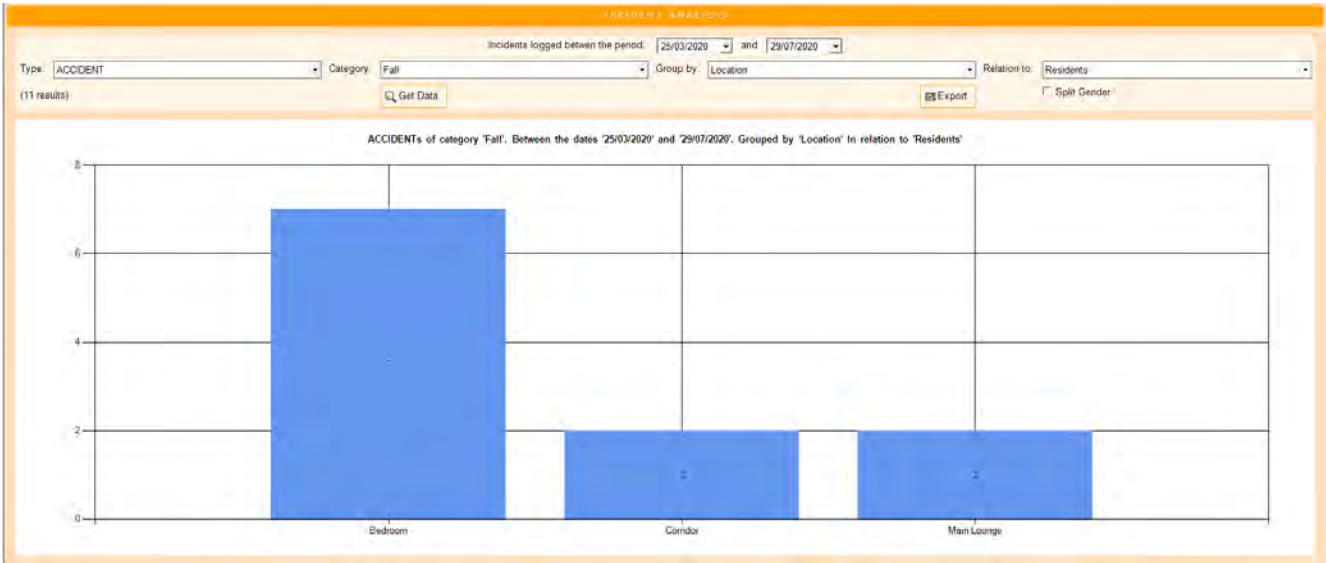
## Examples



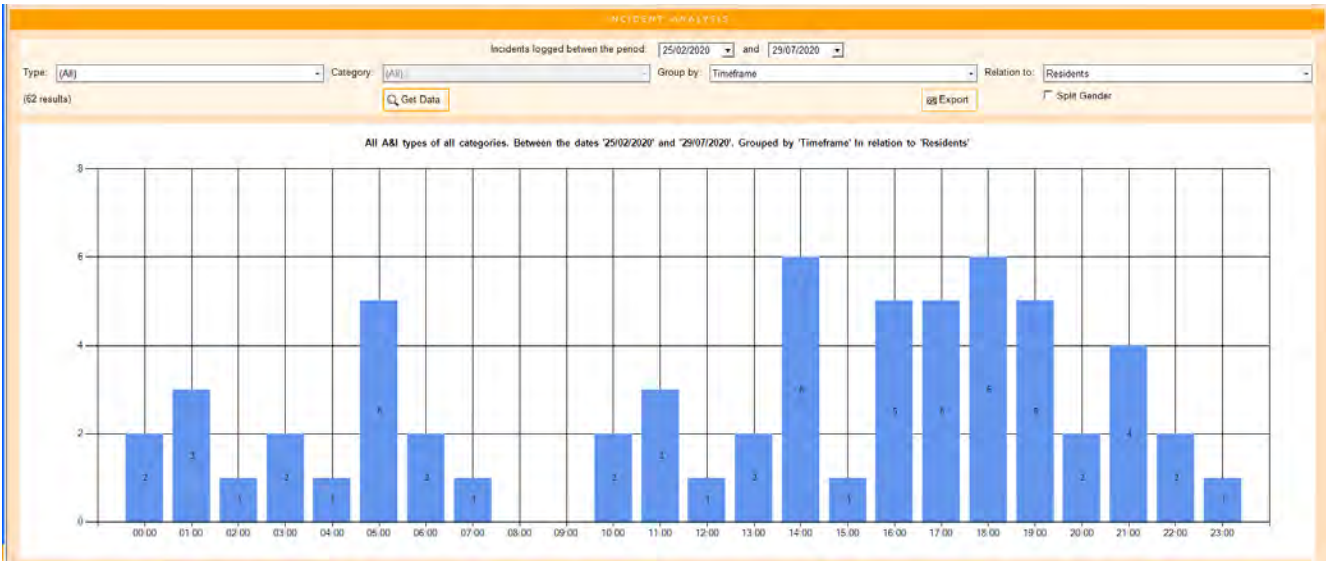
Grouped by Categories



Grouped by Incident Details



Grouped by Location



Grouped by Timeframe



Grouped by Timeframe with a gender split

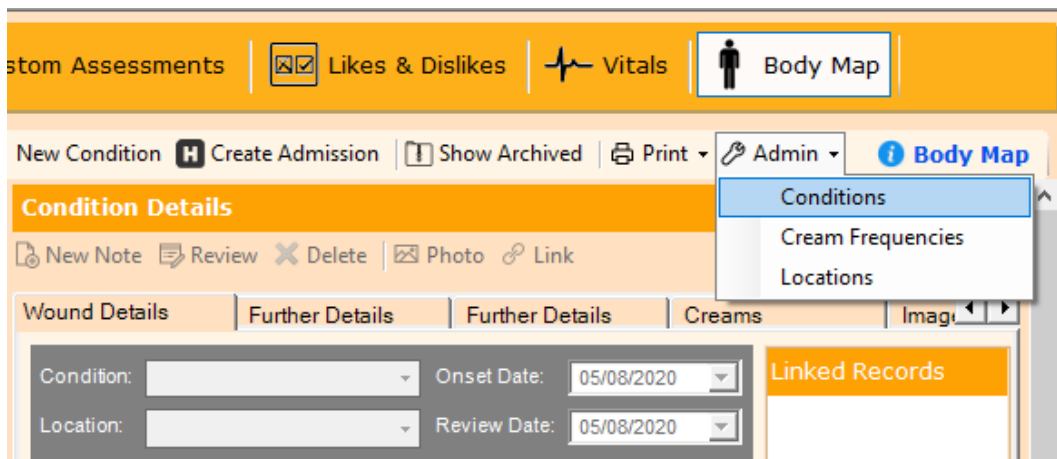


## Body Map Review Dates

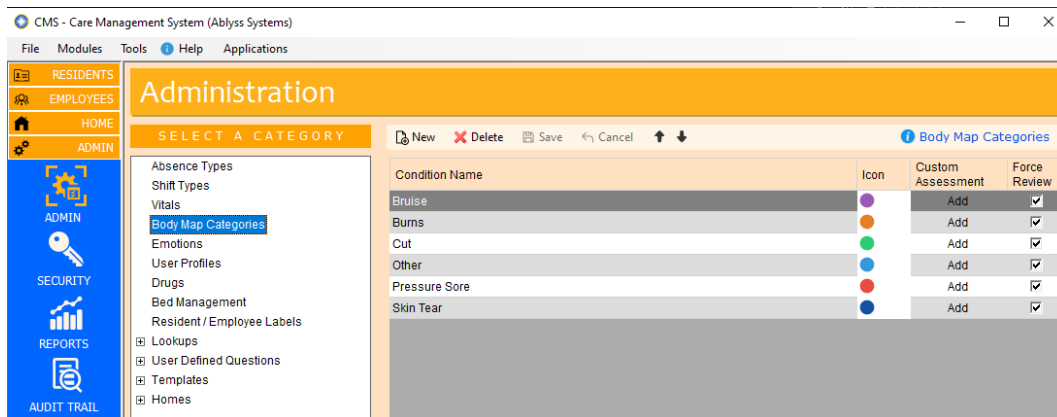
To ensure that all aspects of a resident's care are continuously met, we have added the facility to force a review on specific conditions. For example, 'Pressure Sore' should always have a review whereas a 'birthmark' would not need continual reviewing as no treatment is required.

**When you upgrade all conditions will automatically be set to 'Force Review'.**

To amend a condition's 'Force Review', you can either select Admin > Conditions from within the Body Map, or via Admin > Administration and select the Body Map Categories.



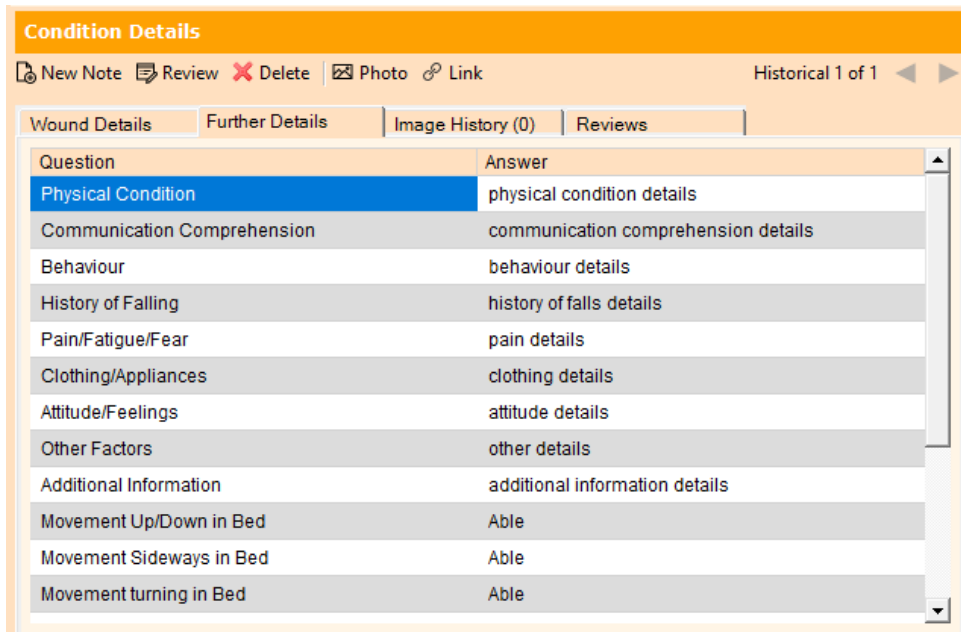
Access via body map



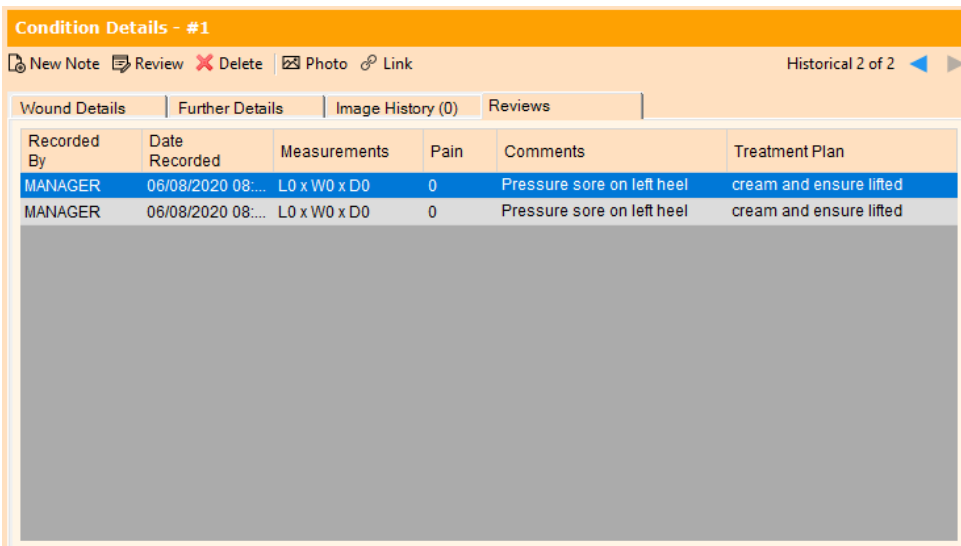
Access via Administration

## Body Map Further Details and Reviews

We have simplified the view of the 'Further Details' on the body map screen. When viewing a wound, the further details will display the assessment in an easy to read format.



We have added an additional 'Reviews' tab, this will enable you to see a list of all previous reviews.



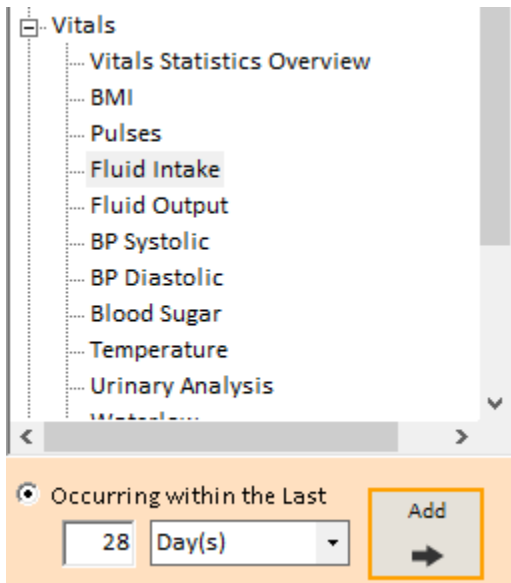
## Report Pack Date Filter

Report pack templates were first introduced in release 7.1, they enable you to print a range of reports at the touch of a button.

A prime example of a report pack is the 'Hospital Transfer Pathway' or 'Red Bag' which helps provide a prompt, safe and efficient transfer of clinical care, when a resident moves between a care home and other clinical settings, such as; hospitals or 'step up' and 'step down' beds.

We have now added a date filter to the following reports:

- Vitals,
- Daily Observations, and
- Accidents and Incidents



Daily observations will default to 1 month. Vitals and A&I will default to 12 months.

When setting up the individual packs you can amend the default date. This can also be set individually on vital categories, for example, you can return a year's worth of weight / BMI records but only the last months' worth of Fluids.

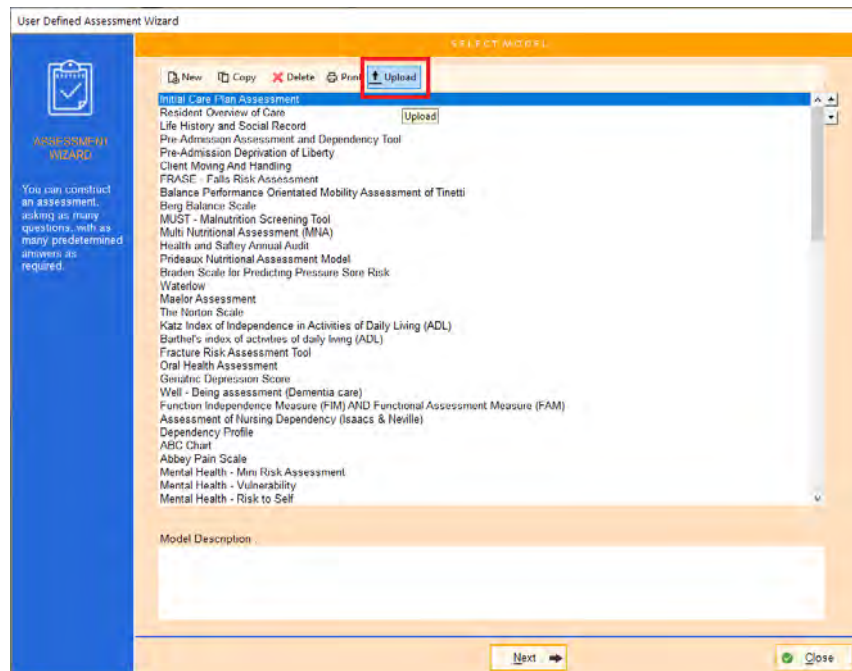


## Assessment Upload

Built into CMS is the ability to download assessments from our web server to your database. These are accessible from the Tools > Assessments > Download Assessment.

We have now introduced a facility to upload your assessments too. This feature is aimed at our groups allowing them to upload an assessment from one home and then to download it across other homes within the group.

The upload feature can be found in the assessment designer. Once an assessment has been uploaded, only other licensed homes within the group will be able to access them.



## CMS Tablet Application

There are no significant new features for the tablet app in this release. However, we want to make you aware that there has been a change in the way that we build the APK (Android application package). This will only affect devices running Android OS 5 or later and those users running version 7.2.0.2 of the app or earlier. If your app meets these criteria, then you will need to carry out the following steps before updating the app:



### Before you update to the latest version

- **Make sure that all your data is synchronised.**
- **Make note of your connection details.**
- **Uninstall the CMS Application from the device.**
- **Reinstall the CMS Tablet Application from our website.**

**If you require any assistance with the CMS Tablet upgrade, please phone our support team.**

## CMS Desktop Minor Enhancements

### Body Map Wound Renaming

You can rename 'Wound' on the body map. This is changed via Tools > Settings > Home Settings > Module Settings > Body Maps

**Body Maps**

Clear comments on review     Clear treatment plan on review

Enforce review date

Refer to a Wound as:     Refer to Wounds as:

This will change the reference 'Wound' to what you would like it referred as.

