

Smokerlyzer[®] Range

For use with piCO[™], piCO^{baby™} and Micro^{+™}

COdata^{+™} Software User manual



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Our family, innovating health, for yours.



bedfont

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Welcome to COdata⁺

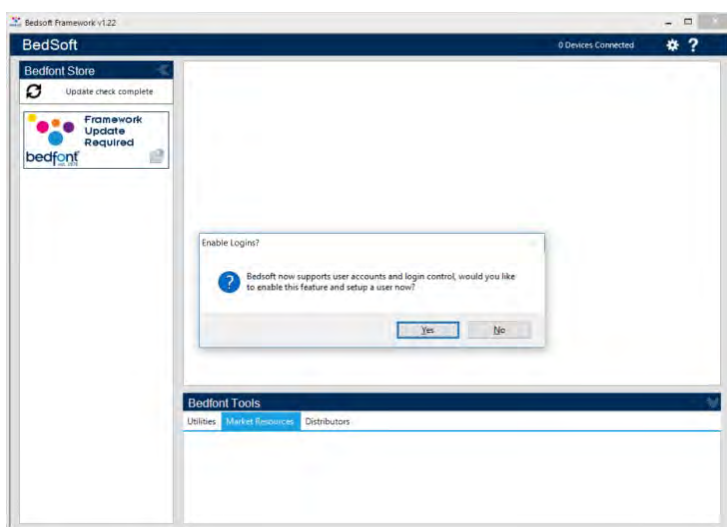
This manual outlines the basic functionality of the software, and guides the user through how to use each function. COdata⁺ can be used with the Smokerlyzer[®] devices to store, download and analyse results.

For further information about the piCO[™], piCO^{baby™} and Micro⁺ Smokerlyzer[®] devices, please see the printable manuals which can be accessed via the help menu within the software.

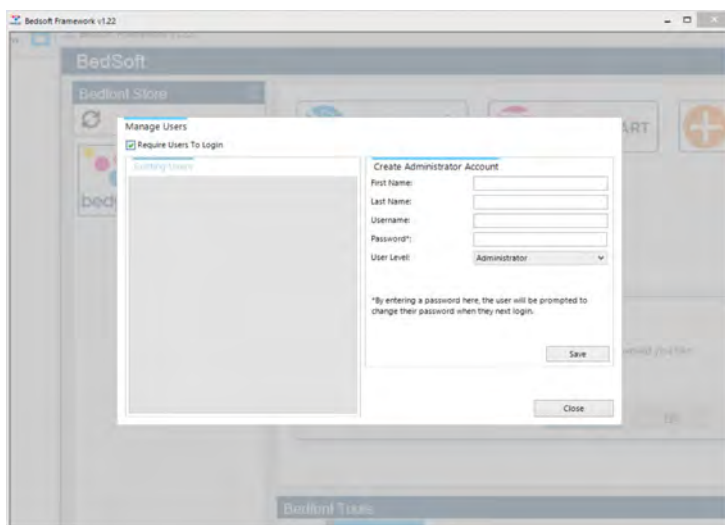
NOTE: *Only technical data and no patient data is collected by Bedfont[®].*

Installation

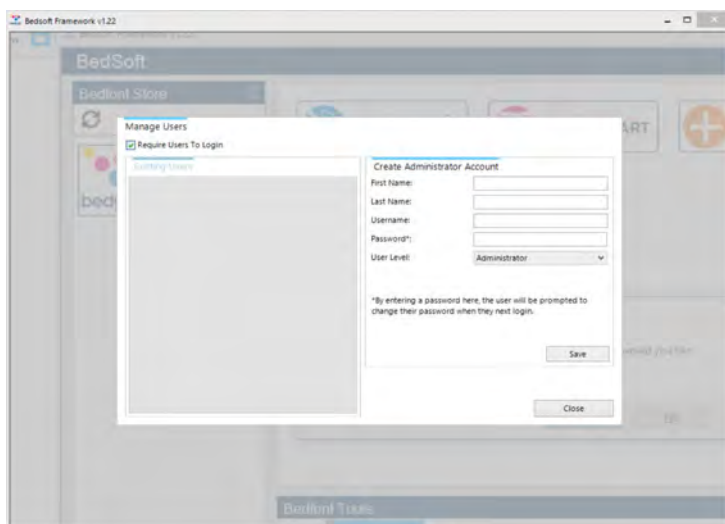
To access COdata⁺, the Bedsoft framework software must first be downloaded and installed. It is recommended that this software is downloaded and installed on a stand-alone computer, not connected to a network, to ensure optimum patient data security. If this software will be installed on a shared network, please ensure that both a domain account and a Bedsoft product account with a secure password has been set up to protect patient data.



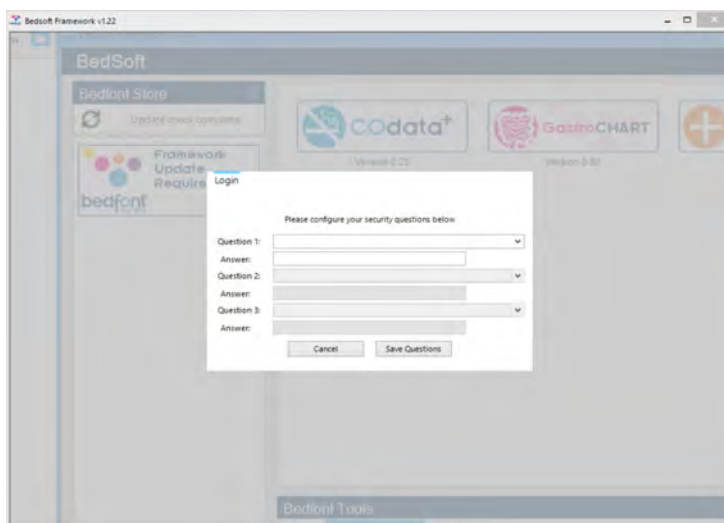
Bedsoft has been updated to conform to the new GDPR standards, which means it now includes accounts and passwords to help limit unnecessary access to patient information. Once Bedsoft has been installed and updated, a prompt will appear asking if user accounts are to be set up.



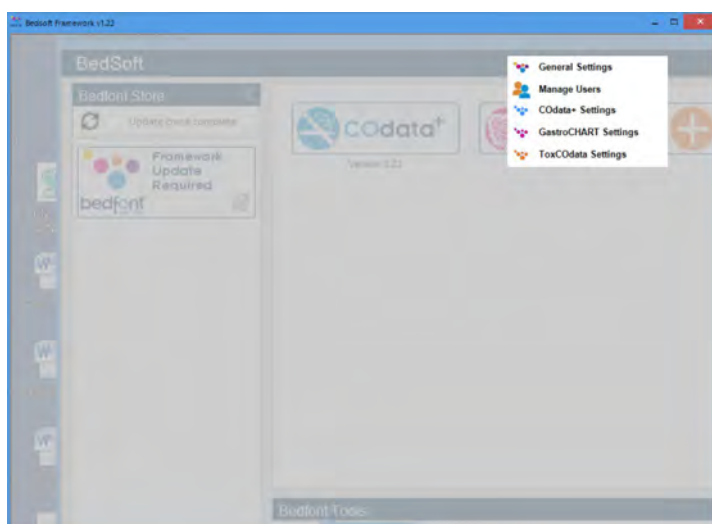
Clicking 'yes' will prompt the user to make the first account, which will be an administrator's account.



It is advisable to assign an admin person for the first account as this account will be used to manage any future users should they forget their login details.

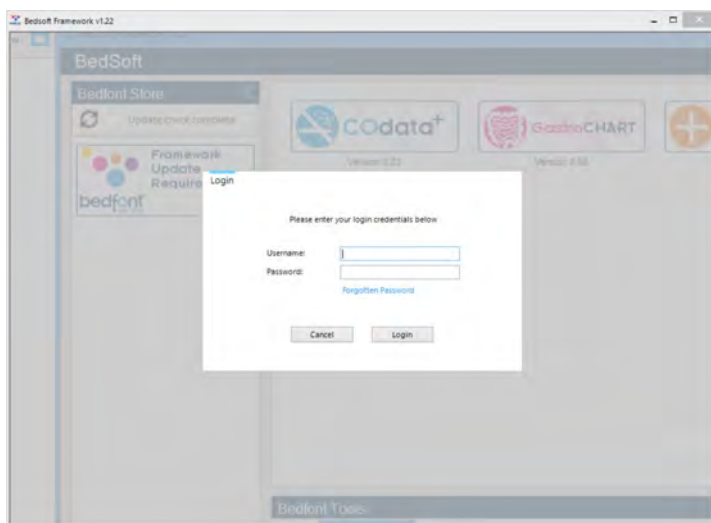


Upon the first login, the user will be prompted to provide 3 security questions and answers. This will be required in the event the user should forget their password.



Please note:

- A user level account cannot access the admin panel to reset security questions or change account privileges – only an administrator account can access the admin control panel to reset security questions, passwords, username's and create/delete accounts.
- Within the admin panel there is an option to turn user accounts off completely, if this option is off then patient details will be accessible to anyone on the computer.
- In order to change accounts, Bedsoft must be restarted.
- User accounts can be set up at a later date; if this is required then this can be accessed from the settings menu at any time. Switching user accounts on and off can also be done here.

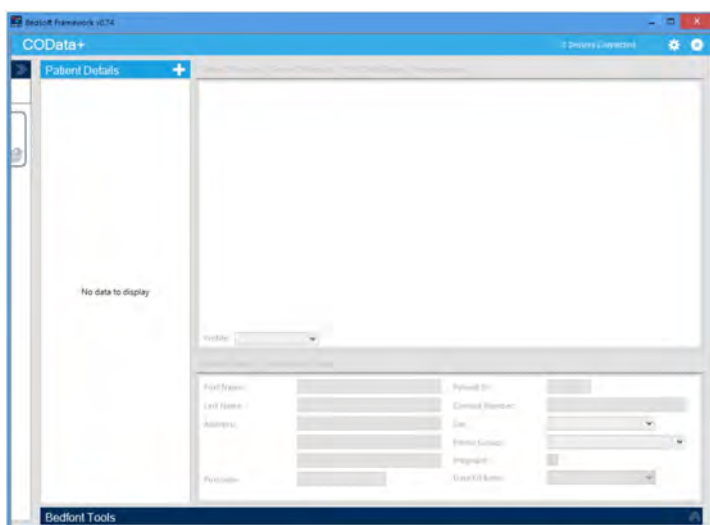


Once user accounts have been enabled, COdata+™ will not be able to accessed without login details.




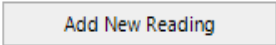








Once Bedsoft has been downloaded and user accounts enable/disable, COdata+™ can be downloaded and installed from the left hand side of the screen, under the Bedfont® Store heading. Once COdata+™ installation is complete, the software tab will move into the centre of the screen, as shown.

Main Page

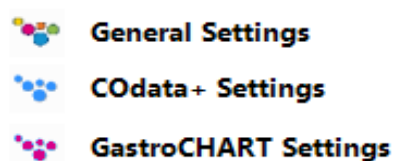


Click on the COdata+™ tab to open the main software window. This is the main layout of the programme.

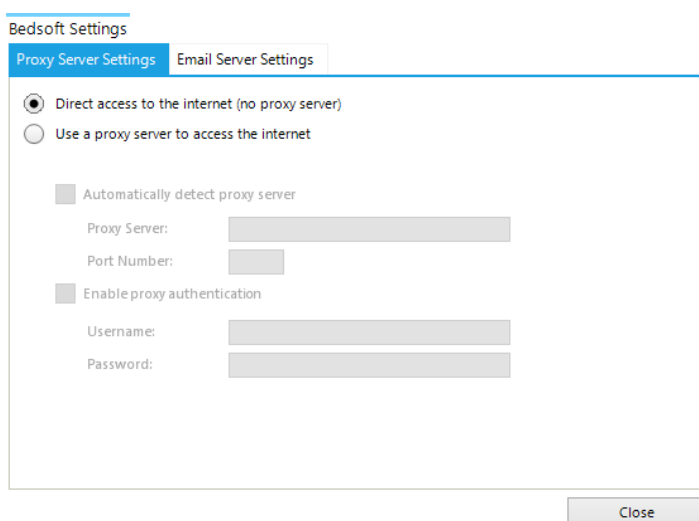
Buttons

Description	Symbol
Add/edit patients	
Add new reading	
Close button	
Tools	
Save	
Delete	
Print	
Send report via email	
Device connected status	
Help	

General Settings



This section allows proxy server settings and email server settings to be edited. Click on the tools icon and select general settings.



From here the proxy server settings and email server settings can be edited.

Add/edit patients

This function allows the patients used within the software to be managed. From here new patients can be added and existing patients can be edited or deleted.

Add new patient

To add a new patient, select the plus button next to 'Patient details', then simply complete the form in the lower half of the screen. At least one name field (surname or first name) must be completed and either an address or a contact number must be specified. The date of birth field must also be before today. All other fields are optional.

Edit/delete patient

To find a patient to edit, use the filter boxes at the top of the screen. These filter boxes are identified by the text "contains", (Contains: ▼ Contains: ▼).

Clicking the grey filter button at the end of the box will bring up a list of potential filters; to type in a search term, select the filter box. To edit a patient, click on the appropriate row in the list and the lower section will update to display the patient's details. If a patient is already being edited, a prompt will appear asking to save the current record.

Make any necessary changes and click the save button to save the changes. If the patient is to be deleted from the software, select the 'delete symbol'.

Take a live reading

This function allows for live readings to be taken from a Smokerlyzer® device and store them against a patient.

Before taking a live reading, select the appropriate patient from the list. The list can be filtered using the 3 criteria fields above the list. Enter any applicable search criteria and the list will be updated automatically.

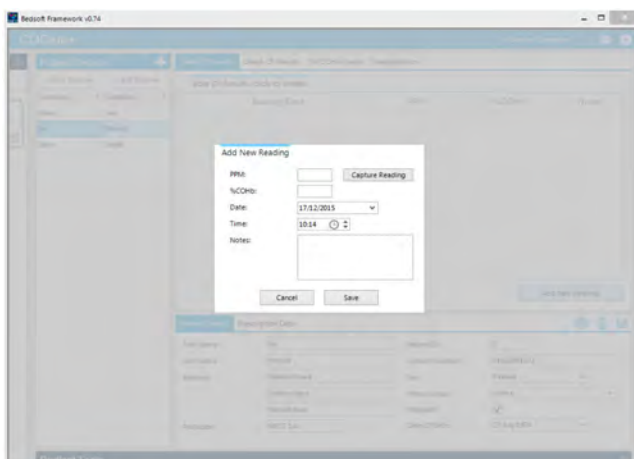
To take a live reading from either device, connect it to a USB port on a computer and click on the 'Add New Reading' button. Assuming the appropriate driver has been installed (see device manual) the software will display the connected devices in the top right-hand corner.

Once connected, use the interface on the device to start a breath test in the normal way. Once the test is complete click 'Capture Reading' to store the reading. The form also allows the date/time to be modified and any applicable notes to be added.

Click 'save' to save the reading against the patient.

Enter a manual reading

To enter a manual reading, select the appropriate patient from the list. The list can be filtered by using the 2 criteria fields above the list. Select any of the applicable search criteria and the list will be automatically updated. Once the patient has been selected select 'Add New Reading'.



This will bring up another form to enter the readings in. Click 'save' the reading against the patient.

Delete a reading

To delete a reading, select the appropriate patient from the list. The list can be filtered by using the 2 criteria fields above the list. Enter any applicable search criteria and the list will be updated automatically.

Once a patient has been selected, click the window on the right, which will display any existing readings. To delete a reading click on the appropriate row, a confirmation message will appear and if confirmed the reading will be deleted.

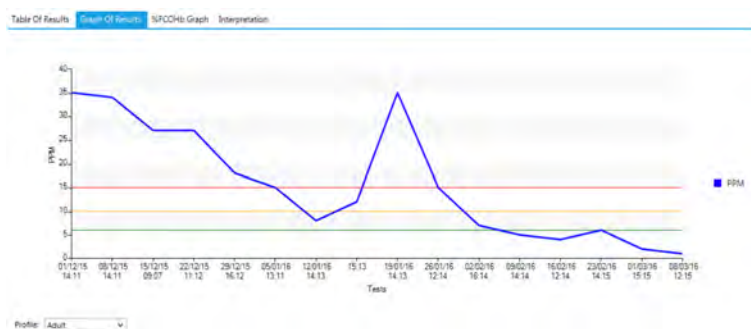
Patient tabs

When a patient is selected a series of tabs become active and are populated with data. There are 4 tabs located at the top of the patient window and 2 tabs located at the bottom.

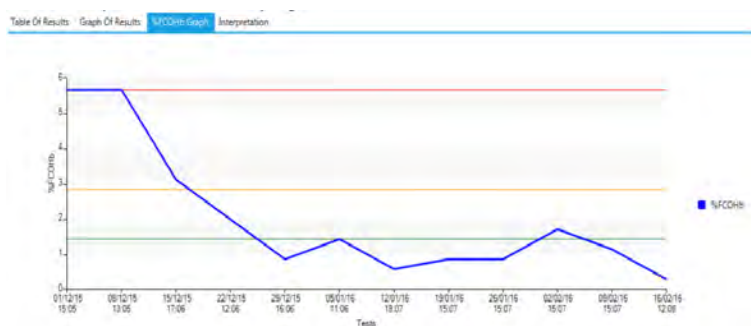
Table Of Results (click to delete)				
Reading Date	PPM		%COHb	Notes
08/03/2016 12:15	1		0.79	
01/03/2016 15:15	2		0.95	
23/02/2016 14:15	6		1.59	
16/02/2016 12:04	4		1.27	
09/02/2016 14:14	5		1.43	
02/02/2016 16:04	7		1.75	
26/01/2016 12:14	15		3.03	
19/01/2016 14:13	35		6.23	
12/01/2016 15:13	12		2.55	
12/01/2016 14:13	8		1.91	
05/01/2016 13:11	15		3.03	
29/12/2015 16:12	18		3.51	

From the top

The first tab (selected by default) shows a table of current results. The list can be re-ordered by clicking on the column headings.



The second shows the PPM values plotted on a graph against the threshold values from the profile.



The profile can be changed to compare against using the profile pull down list. The third shows the %FCOHb values plotted on a graph, these are only applicable for patients marked as pregnant.

The final tab allows an interpretation to be entered for the patient; this is printed on the PDF report.

Table Of Results | Graph Of Results | %FCOHb Graph | Interpretation

Frequent Smoker
These levels of CO indicate a serious addiction to nicotine. These levels are 5 times those of non-smokers.

When a patient is selected a series of tabs become active and are populated with data. There are four tabs located at the top of the patient window and two tabs located at the bottom.

Patient Details Prescription Data

First Name: Joe Patient ID: 12345
 Last Name: Bloggs Contact Number: 07624637274
 Address: 123 West Street Sex: Male
 Heathfield Ethnic Group: Black
 Withershire Pregnant:
 Postcode: BE34 7HQ Date Of Birth: 16 June 1983

Along the bottom

The first tab shows the patient's details. These details can be edited at any time.

Patient Details Prescription Data

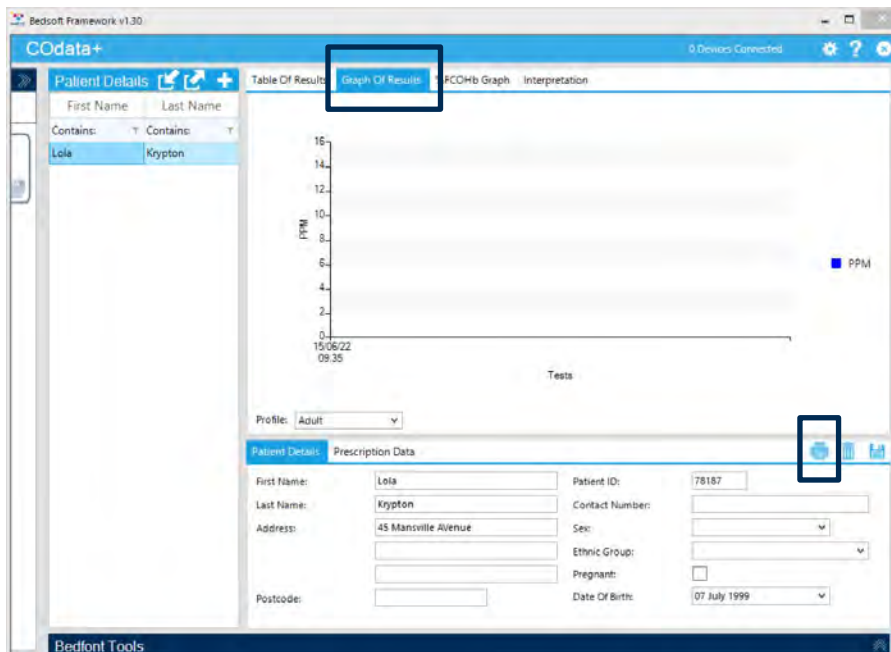
Prescription:
 Notes:

The second shows any prescription data that needs to be entered for the selected patient.

These tabs can be used in conjunction with the four tabs along the top of the screen.

Print Results

To print the patient results, select 'Graph of Results' from the tab selection across the top of the screen, then select the printer icon on the right hand side.



Bedsoft Framework v1.30
 COdata+ 0 Devices Connected

Patient Details Table Of Results Graph Of Results FCOHb Graph Interpretation

First Name Last Name
 Contains Contains
 Lola Krypton

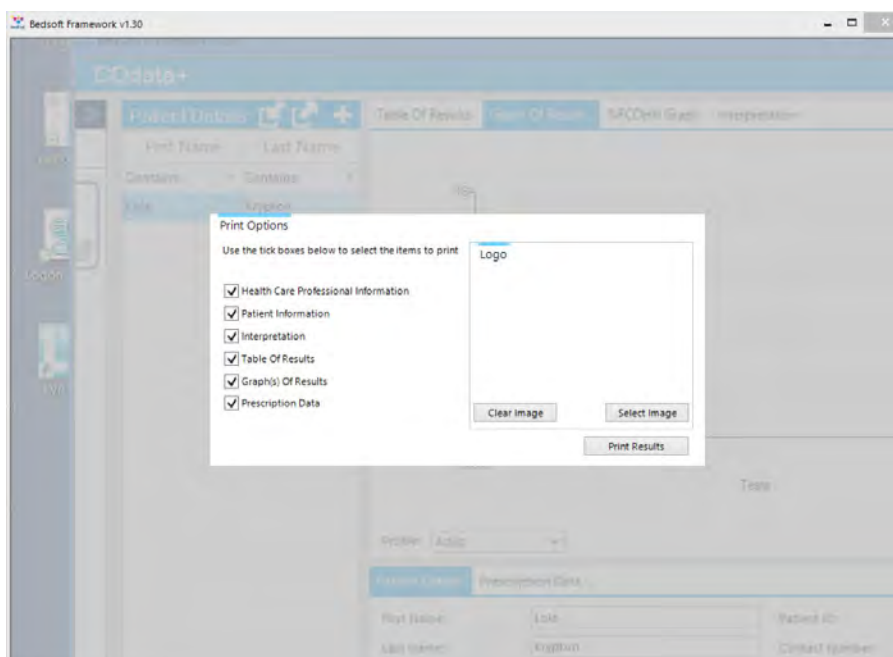
Profile: Adult

Patient Details Prescription Data

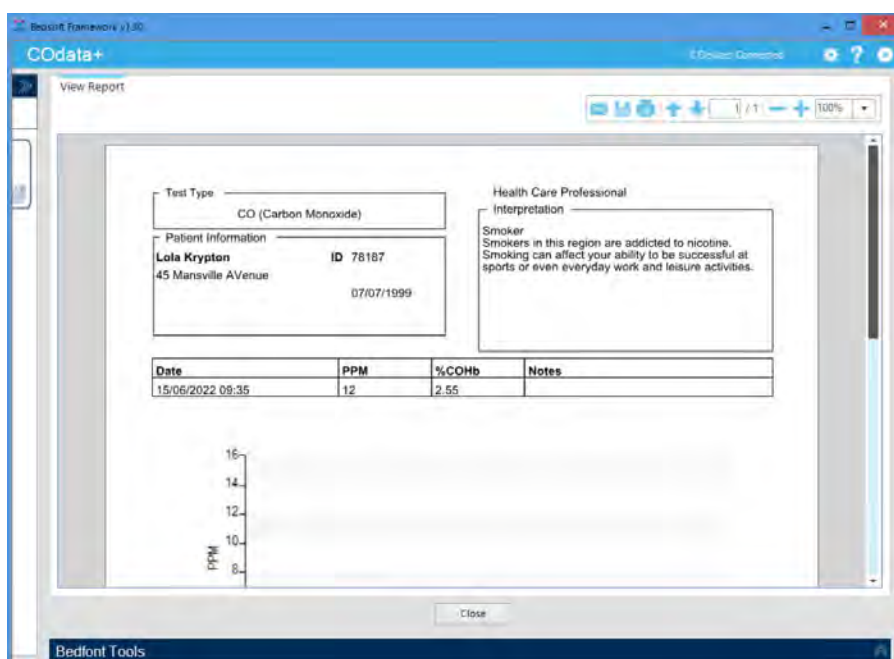
First Name: Lola Patient ID: 78187
 Last Name: Krypton Contact Number:
 Address: 45 Mansville Avenue Sex:
 Ethnic Group:
 Pregnant:
 Postcode: Date Of Birth: 07 July 1999

Bedfont Tools

A pop up window will appear, allowing for the results contents to be customised.



To print or close the window, select 'Print Results'.





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