



**Charder Insight PC Software**  
User Manual

# TABLE OF CONTENTS

<b>I. Installation</b>	<b>4</b>
A. Product Components	4
B. System Requirements	4
C. Compatibility Requirements	4
D. Installation Instructions	5
<b>II. Device Setup</b>	<b>12</b>
<b>III. Beginning Use</b>	<b>13</b>
A. Description	14
B. Import users (PRO)	14
C. Add new user	17
D. Search for user	18
E. Modify user information	20
F. Delete user	21
<b>IV. Conducting Measurement</b>	<b>22</b>
A. Select User	22
B. Confirm that device is connected	23
C. Begin Scan	23
<b>V. Individual Result</b>	<b>26</b>
A. User Info	26
B. Viewing analysis modules	27
C. Memo	28
D. Switching Between Results	29
E. Delete Result	30
F. Export Data (PRO)	31
G. Export Data (All) (PRO)	32
H. Export Result to PDF	33
I. Export Expanded Report (PRO)	35
<b>VI. History</b>	<b>36</b>
A. Description	36
B. Basic Analysis	41
C. Muscle-Fat Analysis (PRO)	42
D. Physical Fitness Analysis (PRO)	45
E. Risk Assessment (PRO)	46
F. Comparison Charts (PRO)	47
<b>VII. Advanced Insight (PRO)</b>	<b>48</b>
A. Search Using Condition	49
B. View Statistical Analysis	50
<b>VIII. Settings</b>	<b>54</b>

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Enter Settings .....	54
Software Settings .....	55
Device Settings (PRO) .....	58
Manage Accounts .....	59
Backup Data & Recovery .....	60
<b>IX. Product Specifications .....</b>	<b>68</b>
A. Functions .....	68
B. System Requirements .....	68
<b>X. Revision History .....</b>	<b>69</b>

# I. Installation

## A. Product Components

To use Charder Insight, you will need the following:

1. Charder Insight installation file
2. UA-010 Transfer Key Cable
3. (optional) Charder Insight Pro Authorization Key  
(needed to unlock Pro functions)
4. MA601 or MA801 Body Composition Analyzer  
(Updated to Version 77 or above)

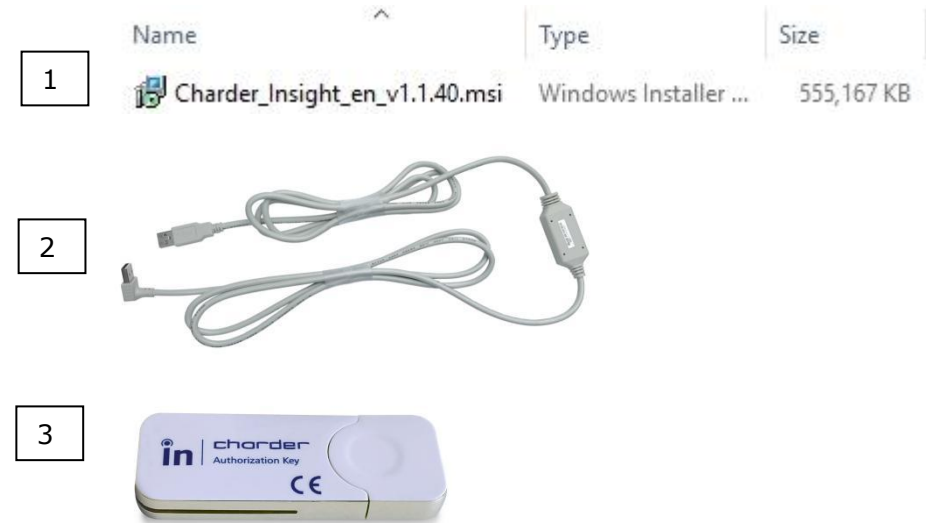
## B. System Requirements

- Operating System: Windows 10 64bit or Windows 11 64bit
- Hard Disk: Minimum 1GB hard drive space for software
- Memory: Minimum 1GB RAM
- Resolution: Minimum 1280 x 720
- Administrator Permissions

## C. Compatibility Requirements

Device Version	Charder Insight Version
v1.0.066	v1.1.38
v1.0.067	v1.1.39
v1.0.068	v1.1.40
v1.0.069	v1.1.41, v1.1.42
v1.0.072	v1.1.44, v1.1.45
v1.0.077	V1.1.50

Please ensure the device and Charder Insight are compatible before use.

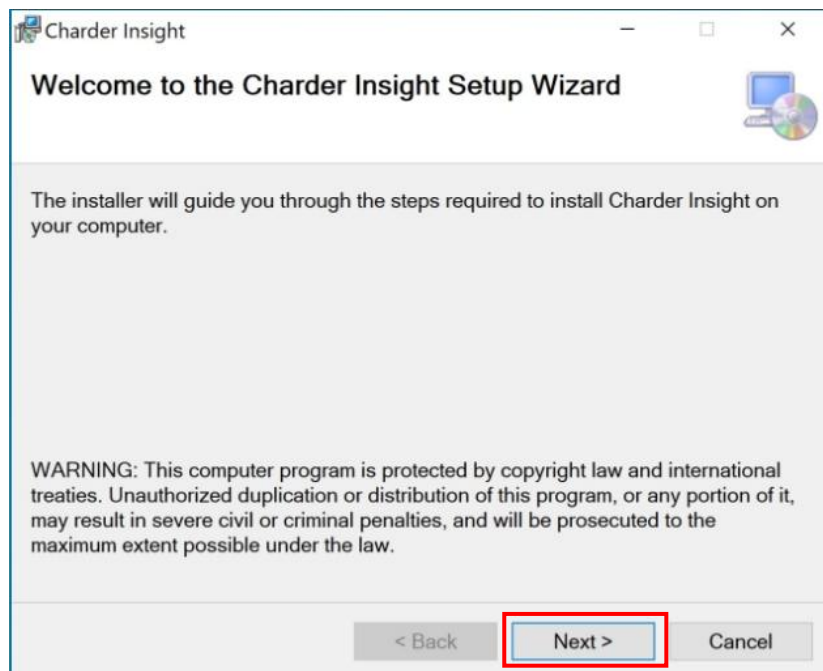


## D. Installation Instructions

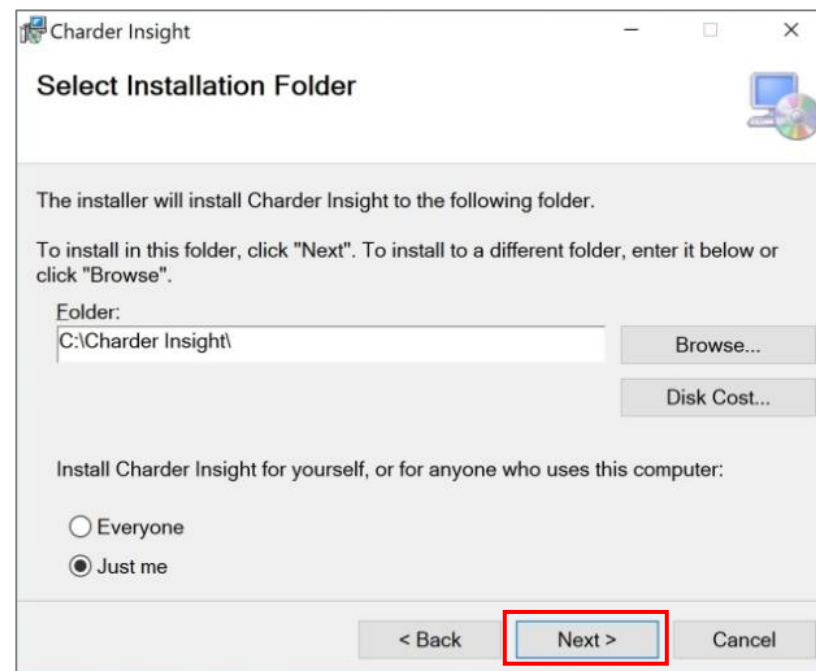
(Your screen may look slightly different, depending on your operating system)

### Installing Charder Insight

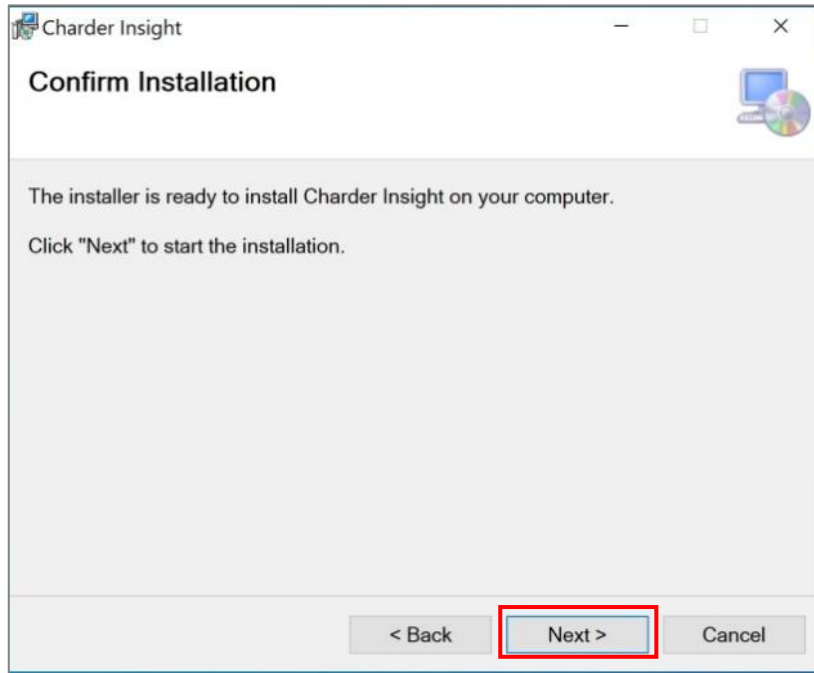
1. Locate installation file (Charder\_Insight\_en.msi) and run using administrator mode. Press **Next**.



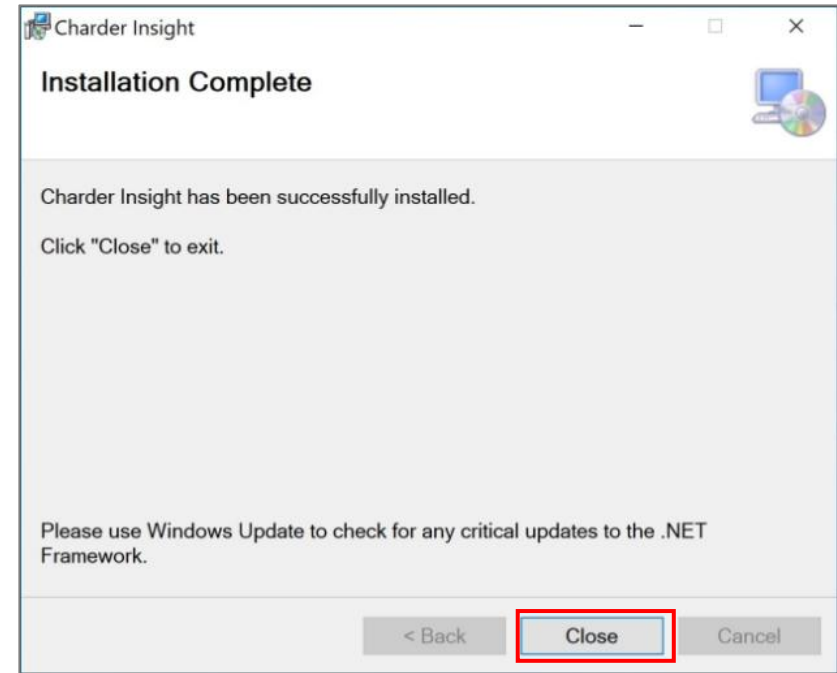
2. Select installation location, and press **Next**.  
(recommend using default location. Non-English characters in folder location may cause installation problems)



3. After pressing **Next**, installer will begin installation.



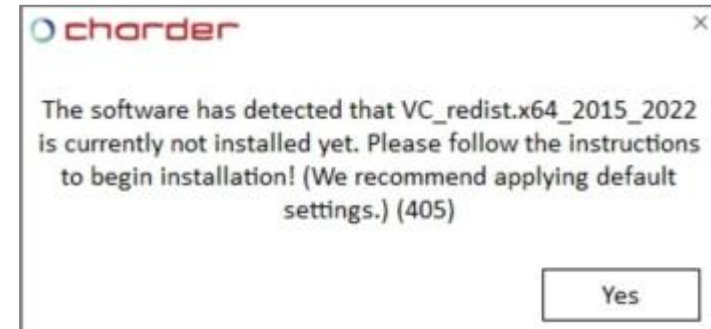
4. After installation is complete, press **Close**.



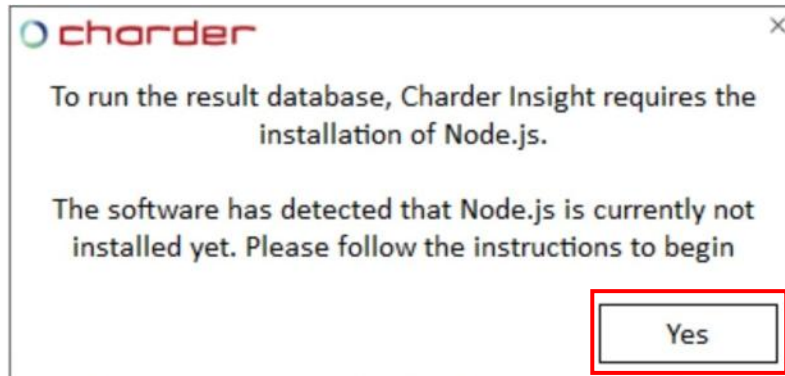
5. Open Charder Insight. If additional modules are required for operation, you will be prompted to install them. Press OK and follow all instructions.



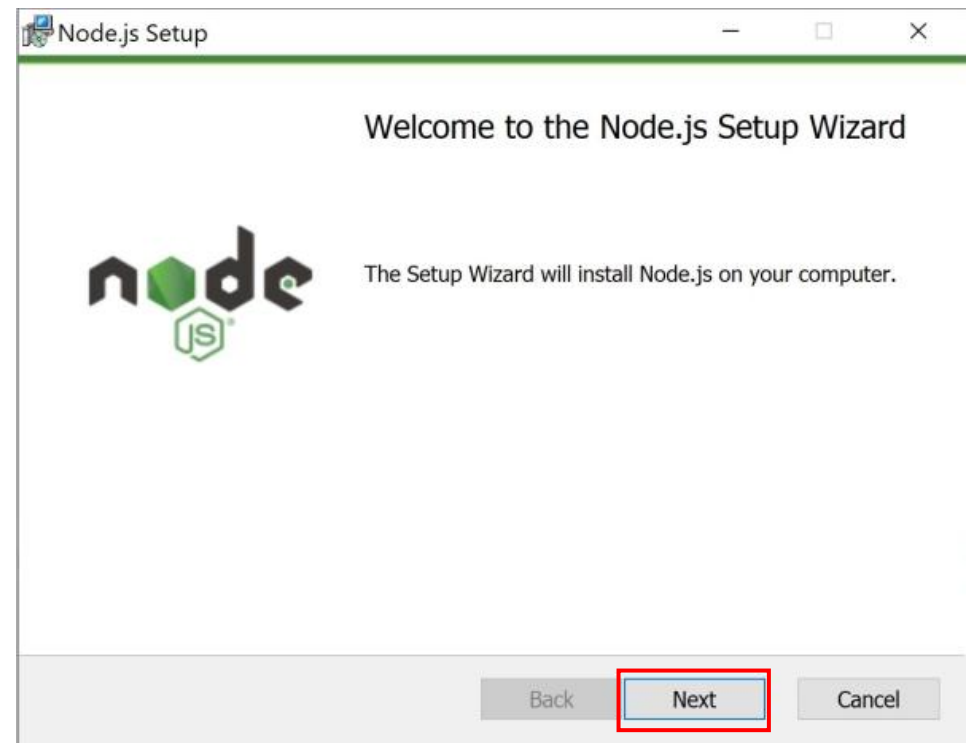
6. Press "Yes" to allow installation of required modules



7. Insight utilizes Node.js as a result database, which requires separate installation. Press **Yes** to proceed

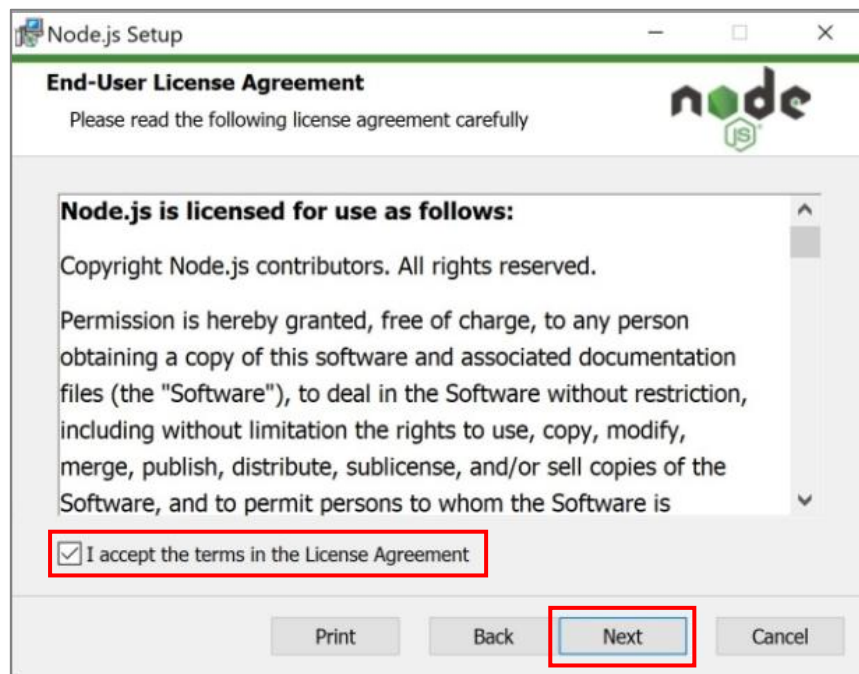


8. When the installation wizard begins, press **Next**

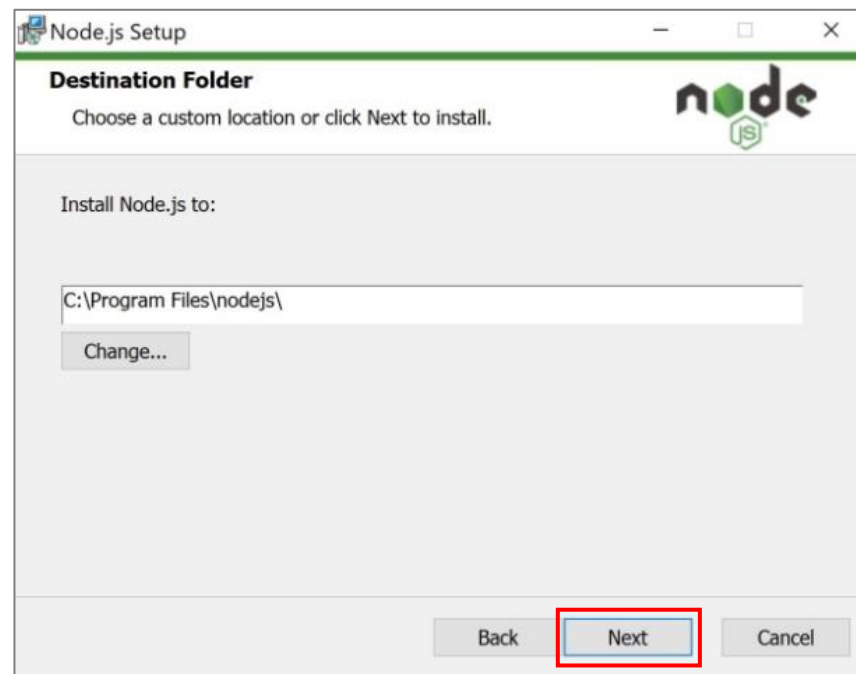




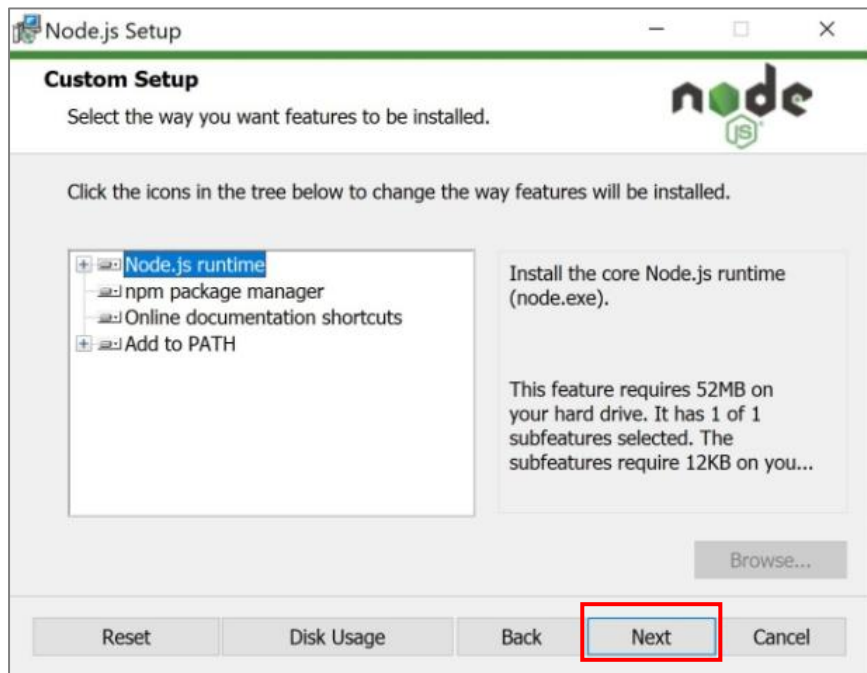
9. Check the box "I accept the terms in the License Agreement" and press **Next**



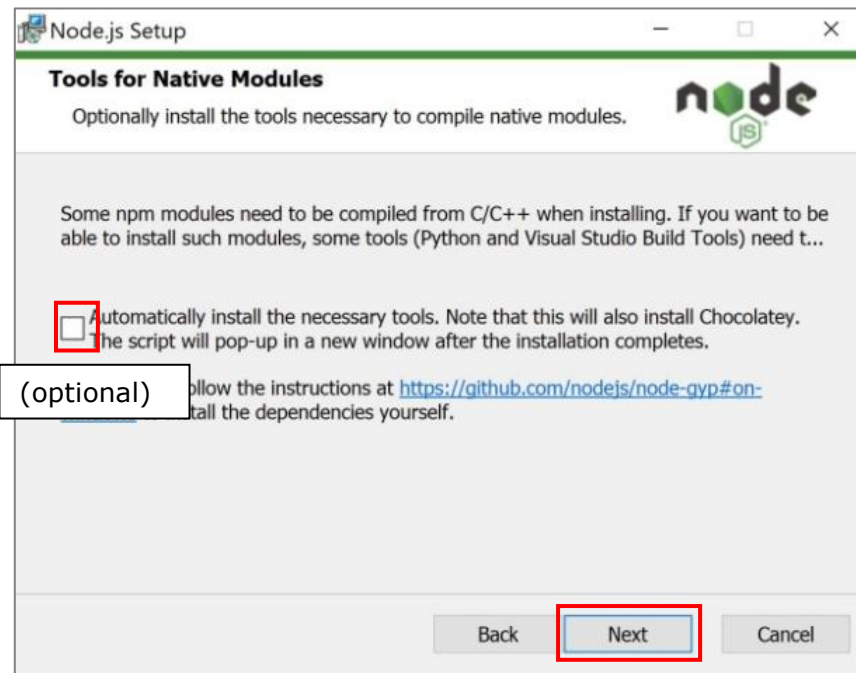
10. Please Install to the default location (no changes needed), and press **Next**



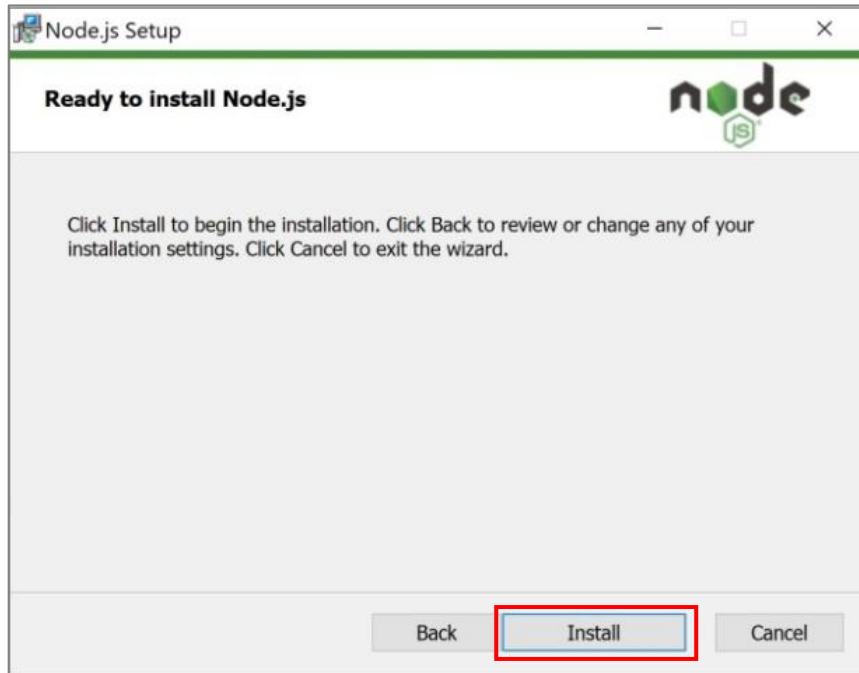
11. Please press **Next**



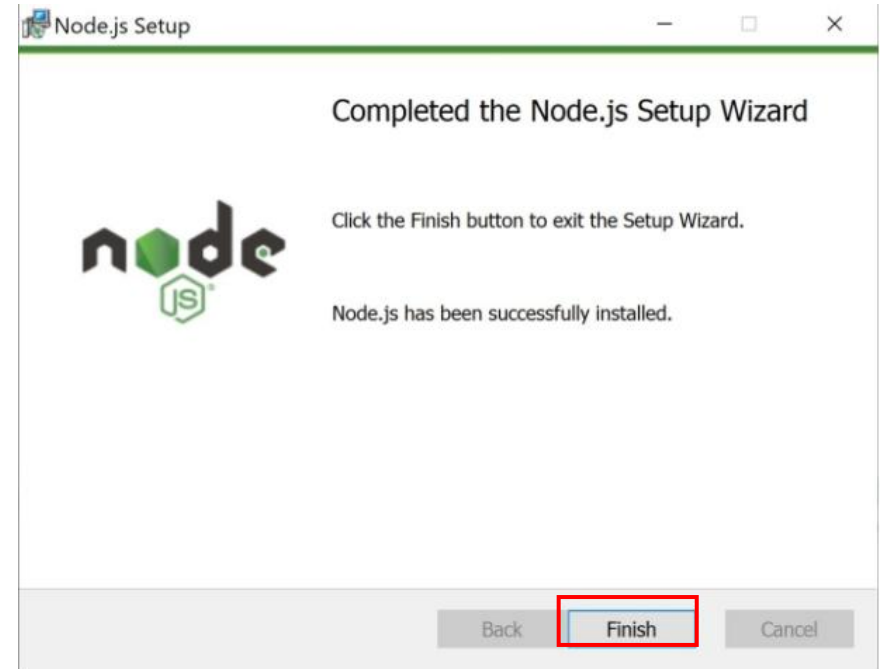
12. It is not necessary to click this check-box. Press **Next**



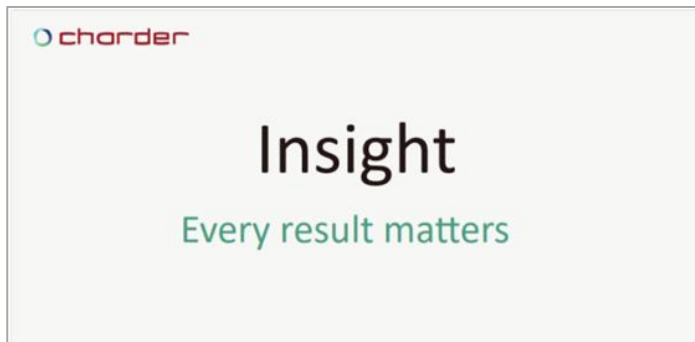
13. Press "Install" to install Node.js



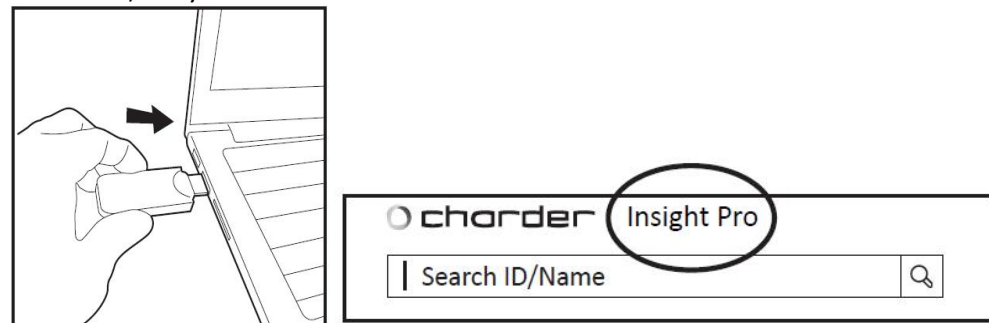
14. After installation is complete, press **Finish**



Installation of Charder Insight is now complete.



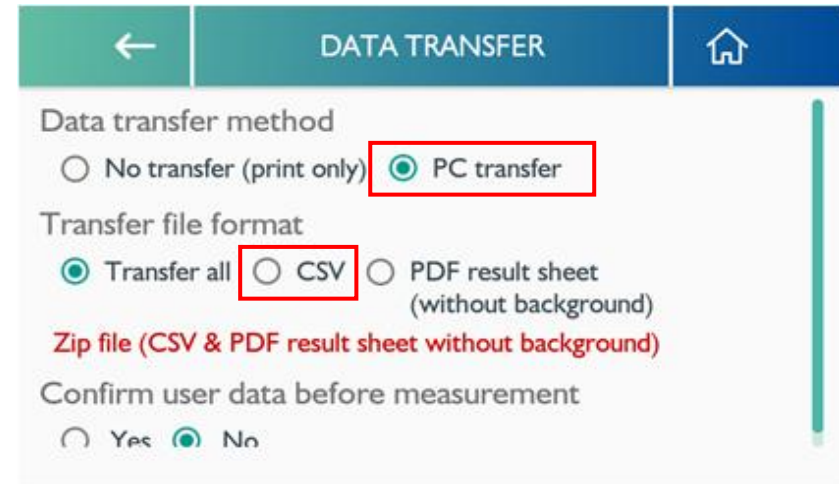
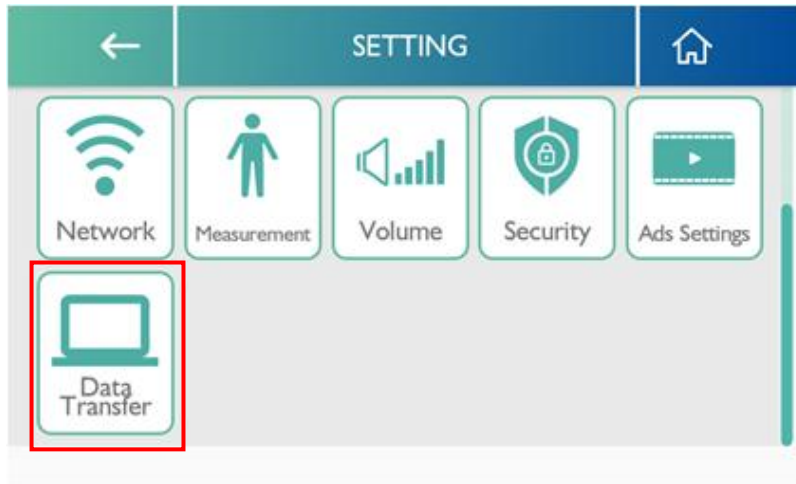
To unlock the Pro functions of Charder Insight, please ensure that the USB Authorization Key is inserted into the PC that is running Charder Insight. If the key is removed, only Basic functions will be available for use.



"Insight Pro" will be visible at top of software if key is detected and activation is successful.

## II. Device Setup

Before beginning measurement, device needs to be setup correctly to connect with PC software. Please enter Settings on device, and select Data Transfer settings. (MA601 interface used as example)



### Data transfer method

By default, the Data transfer method is "No transfer (print only)". To activate PC transfer, please select "PC transfer".

### Transfer file format

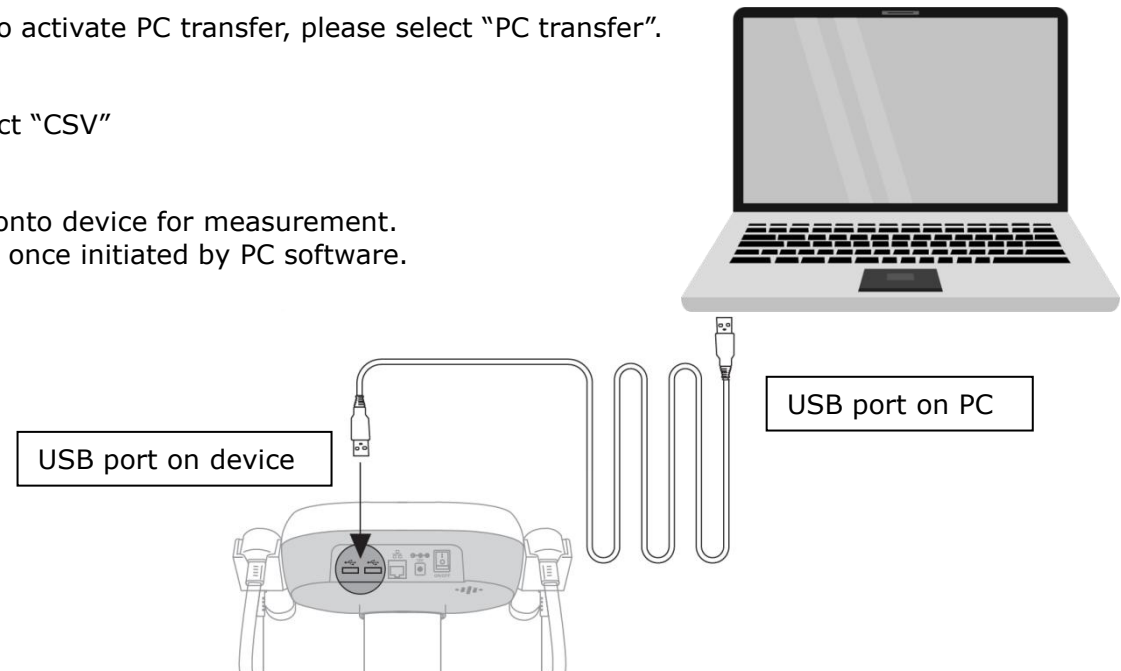
Determine what data should be transferred from device to PC. Select "CSV"

### Confirm user data before measurement

If "Yes", then user must press "confirm" on device before stepping onto device for measurement.

If "No", user will be prompted to step onto device for measurement once initiated by PC software.

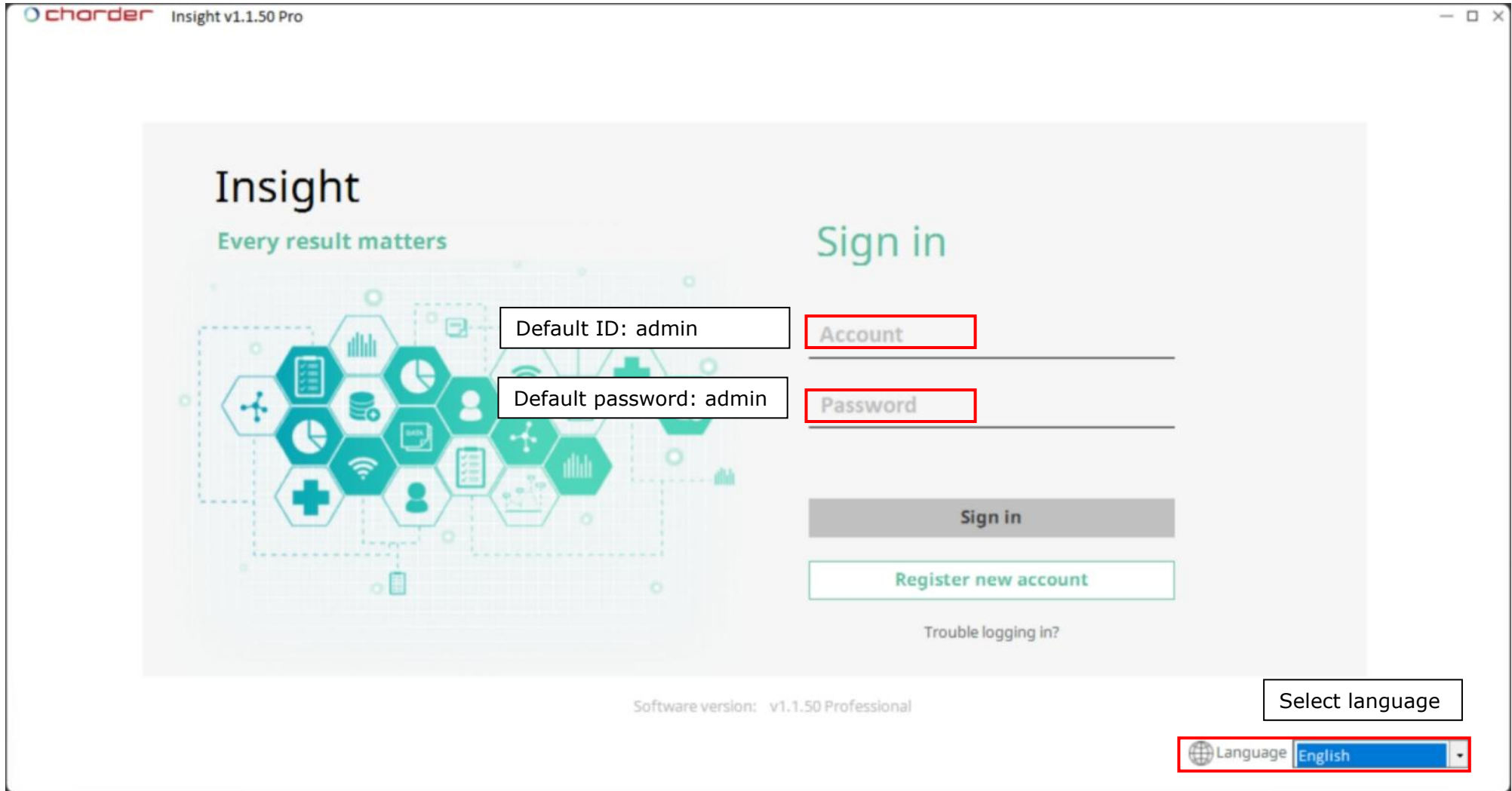
Connect device to PC using UA-010 Transfer Key Cable.



### III. Beginning Use

During startup, Charder Insight will also turn on an internal database. This may take up to 10-15 seconds the first time. Please wait for login screen to appear.

**NOTE:** on some PCs, Charder Insight may need to be "Run as Administrator".



Select software language at bottom right of start screen.

Input default ID and password where prompted, and press "Sign in"

## A. Description

The screenshot shows the main interface of the Insight v1.1.40.1 Pro software. The top navigation bar includes a search bar, a 'Home' link, and several action buttons: 'Scan', 'Load', 'Advanced Insight', 'Import users', 'Add New', 'Modify', and 'Delete'. The 'Advanced Insight' and 'Import users' buttons are highlighted with red boxes. A callout box labeled 'Search bar' points to the search input field. Another callout box labeled 'Conduct scan' points to the 'Scan' button, and 'View results for user' points to the 'Load' button. A third callout box labeled 'Statistical Analysis (PRO)' points to the 'Advanced Insight' button. A fourth callout box labeled 'Manage user data' points to the 'Import users', 'Add New', 'Modify', and 'Delete' buttons. Below the navigation bar is a table with columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, and Physician. The 'Gender' column header is highlighted with a red box, and a callout box labeled 'Click on column to sort' points to it. A callout box labeled 'Import users (PRO)' points to the 'Import users' button in the table's toolbar. The main content area displays a 'No Data' message with a folder icon and the text 'You can add new users or take measurements.' The bottom status bar shows '0 Member(s)', a 'Sign out' button, the user 'admin', an account creation time query range from '12/07/2021' to '10/10/2023', and a 'Settings' button. A callout box labeled 'Sign out from software' points to the 'Sign out' button, and another callout box labeled 'Software settings' points to the 'Settings' button.

Insight v1.1.40.1 Pro

Home Scan Load Advanced Insight Import users Add New Modify Delete

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Physician
No Data You can add new users or take measurements.								

0 Member(s)

Sign out User : admin Account creation time query : 12/07/2021 ~ 10/10/2023 Settings

Search bar

Conduct scan

View results for user

Statistical Analysis (PRO)

Manage user data

Click on column to sort

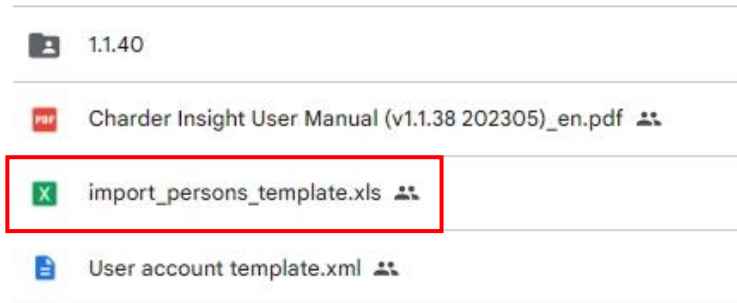
Import users (PRO)

Sign out from software

Software settings

## B. Import users (PRO)

To import multiple users at once (rather than inputting one at a time), locate standard Excel file (import\_persons\_template.xls) provided with installation and fill in user information into the Excel file as instructed.

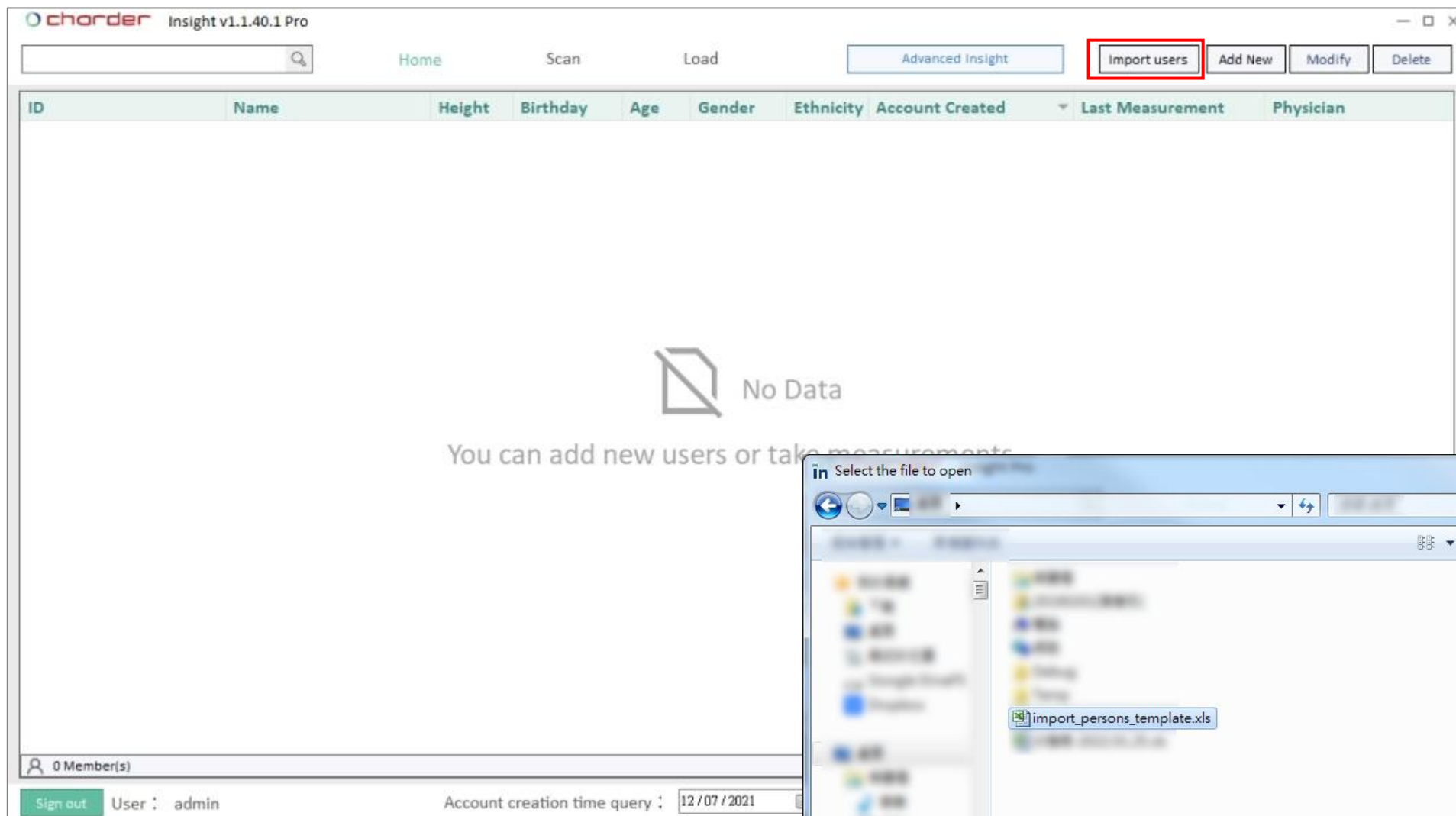


(Image below is an example screenshot from Excel file)

chorder		Batch Import Subject Info				
<b>Instructions</b>						
Subject info must be input in the exact format provided, as seen in example. Changing the format may result in the software being unable to recognize input data.						
<b>Requirements</b>						
<b>ID:</b> Numbers and letters only, up to 16 characters						
<b>Name:</b> Up to 16 characters						
<b>Height:</b> between 50-300 cm (Metric) or between 1'8"-9'10" (Imperial) (input <i>either</i> Metric or Imperial)						
<b>Birthdate:</b> Must be input in YYYY/MM/DD format						
<b>Gender:</b> Input "Male" or "Female"						
<b>Ethnicity:</b> Input "Asian" or "Black" or "White"						
<----- Example input ----->						
ID	Name	Height (cm)	Birthdate (YYYY/MM/DD)	Gender	Ethnicity	Height (ft-in)
20190201abc	Jane Doe	170	1988/10/18	Female	Black	
12345678A	James		1967/4/3	Male	White	5'11"
<----- Input subject info below this line ----->						
ID	Name	Height (cm)	Birthdate (YYYY/MM/DD)	Gender	Ethnicity	Height (ft-in)

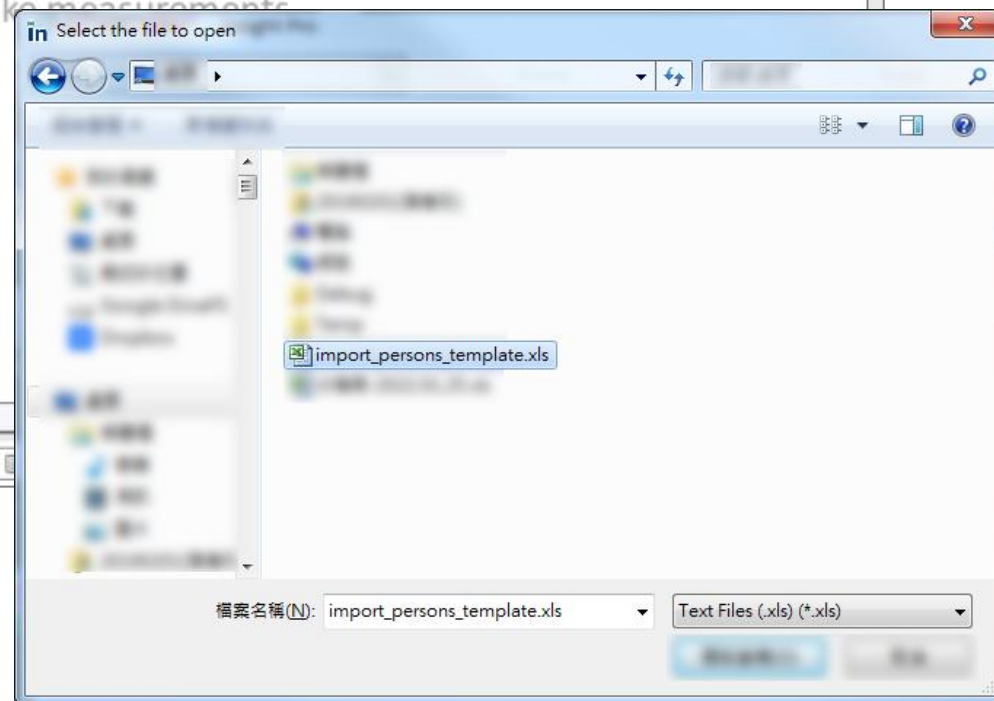


Press **Import Users** button at top right.



Locate and select Excel file. Users will be imported automatically.

If import is unsuccessful, please check to confirm that information is formatted correctly.





### C. Add new user

Press **Add New** button at top right.

The screenshot shows the Chorder Insight v1.1.40.1 Pro application interface. At the top right, the 'Add New' button is highlighted with a red box. Below it, a modal window titled 'Add new ID' is open, containing the following fields:

- ID**:
- Name**:
- Birthday**:  /  /
- Height**:  **cm**
- Gender**:
- Ethnicity**:

At the bottom of the modal, the **Save** button is highlighted with a red box, and the **Cancel** button is also visible.

Input user information (all fields must be filled out), and press **Save** to complete registration.

## D. Search for user

### Search for specific member

Input the ID or Name of the user (case sensitive), and press the magnifying glass button, or press Enter on your keyboard.

chorder Insight v1.1.40.1 Pro

Home Scan Load Advanced Insight Import users Add New Modify Delete

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
----	------	--------	----------	-----	--------	-----------	-----------------	------------------	-----------

Input user ID or Name and press Enter to display results

**NOTE:** case sensitive, so inputting "steven" when searching for "Steven" will not display result

No Data

You can add new users or take measurements.

0 Member(s)

Sign out User : admin Account creation time query : 12/07/2021 ~ 10/10/2023 Settings

## View All

To display all users in database, leave search bar **blank** and press the magnifying glass button, or press Enter on your keyboard.

The screenshot shows the Chorder Insight v1.1.40.1 Pro interface. A search bar is highlighted with a red box. Below it, a text box says "Leave search bar blank and press Enter to view all users". The main table displays user information with columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, Last Measurement, and Physician. The table contains four rows of data. A second window, Chorder Insight Basic, is overlaid on the bottom right, showing the same table with the first row highlighted. A text box below this window says "All users will be displayed. After selecting user, their data will be highlighted." The bottom of the interface shows a "Sign out" button and "User : admin".

Leave search bar blank and press Enter to view all users

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
19881018	Alex	178.0	18/10/1988	33	Male	White	12/01/2022	18/01/2022 05:37 PM	admin
20190604	Zhe	170.0	09/01/1996	26	Male	Asian	22/12/2021	22/12/2021 09:40 AM	admin
2020	Jane	170.0	01/01/1980	42	Female	White	07/12/2021	12/01/2022 11:30 AM	admin
20190201	Steven	182.0	02/05/1987	34	Male	Asian	07/12/2021	18/01/2022 04:49 PM	admin

All users will be displayed. After selecting user, their data will be highlighted.

0 Member(s)  
Sign out User : admin

4 Member(s)  
Sign out User : admin

## E. Modify user information

After selecting user, press **Modify** button at top right.

The screenshot displays the Chorder Insight v1.1.40.1 Pro application interface. At the top, there is a navigation bar with buttons for 'Home', 'Scan', 'Load', 'Advanced Insight', 'Import users', 'Add New', 'Modify', and 'Delete'. The 'Modify' button is highlighted with a red box. Below the navigation bar is a table of users with columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, Last Measurement, and Physician. The user with ID 20190201 and name Steven is highlighted in green. A 'Modify ID' dialog box is open in the foreground, showing fields for ID (20190201), Name (Steven), Birthday (1987 / 2 / 5), Height (182.0 cm), Gender (Male), and Ethnicity (Asian). The 'Modify' button in the dialog is also highlighted with a red box.

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
2304151201	LUKA	179.0	06/08/2003	20	Male	White	04/16/2023 17:12:55	04/15/2023 17:02	admin
20110913	Jereny	145.0	09/12/2011	12	Male	Asian	02/22/2023 11:32:45	11/13/2021 14:29	admin
0955992013	ANDREW	175.0	11/08/1973	50	Male	Asian	02/22/2023 11:32:37	10/17/2021 17:24	admin
20201110	Moose	178.0	08/05/1997	26	Male	Asian	10/06/2022 17:55:42	11/13/2022 22:40	admin
20180502	Bell	152.0	02/29/1968	55	Female	Asian	10/06/2022 09:38:21	10/14/2022 17:30	admin
20200201	Ginger	152.0	05/28/1984	39	Female	Asian	10/06/2022 09:10:05	10/13/2022 17:59	admin
20140902	Kate	163.0	08/08/1988	35	Female	Asian	10/06/2022 09:10:05		
20170602	Madison	178.0	04/22/1987	36	Female	Asian	10/06/2022 09:10:05		
20120602	Frank	172.0	12/20/1978	44	Male	Asian	03/09/2022 09:10:05		
20190604	Zhe	170.0	01/09/1996	27	Male	Asian	12/22/2021 09:10:05		
20190201	Steven	182.5	05/02/1987	36	Male	Asian	12/07/2021 09:10:05		

11 Member(s)

Sign out User : admin Account creation time query : 12/07/2021 ~ 04/16/2023

Edit user information, and press **Modify** to save changes.

**F. Delete user**

After selecting user, press **Delete** button at top right. This user **and all of their measurement results** will be deleted from the software database.

**NOTE:** User and Measurement data cannot be recovered after deletion!

The screenshot shows the Chorder Insight v1.1.40.1 Pro application interface. At the top right, there are navigation buttons: Home, Scan, Load, Advanced Insight, Import users, Add New, Modify, and Delete. The 'Delete' button is highlighted with a red box. Below the navigation bar is a table with columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, Last Measurement, and Physician. The user 'Steven' (ID: 20190201) is selected. A modal dialog box is displayed over the table with the following text: 'Delete this user? Are you sure you want to delete this measurement? Data cannot be recovered after deletion!'. At the bottom of the dialog are 'Yes' and 'No' buttons. The bottom of the interface shows a status bar with '11 Member(s)', 'Sign out', 'User: admin', 'Account creation time query: 12/07/2021 ~ 04/16/2023', and a 'Settings' button.

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
2304151201	LUKA	179.0	06/08/2003	20	Male	White	04/16/2023 17:12:55	04/15/2023 17:02	admin
20110913	Jereny	145.0	09/12/2011	12	Male	Asian	02/22/2023 11:32:45	11/13/2021 14:29	admin
0955992013	ANDREW	175.0	11/08/1973	50	Male	Asian	02/22/2023 11:32:37	10/17/2021 17:24	admin
20201110	Moose	178.0	08/05/1997	26	Male	Asian	10/06/2022 17:55:42	11/13/2022 22:40	admin
20180502	Bell	152.0	07/29/1968	55	Female	Asian	10/06/2022 09:38:21	10/14/2022 17:30	admin
20200201	Ginger							3/2022 17:59	admin
20140902	Kate							3/2022 09:11	admin
20170602	Madison							3/2022 18:43	admin
20120602	Frank							7/2022 17:14	admin
20190604	Zhe							1/2022 11:15	admin
20190201	Steven							4/2023 09:40	admin

## IV. Conducting Measurement

### A. Select User

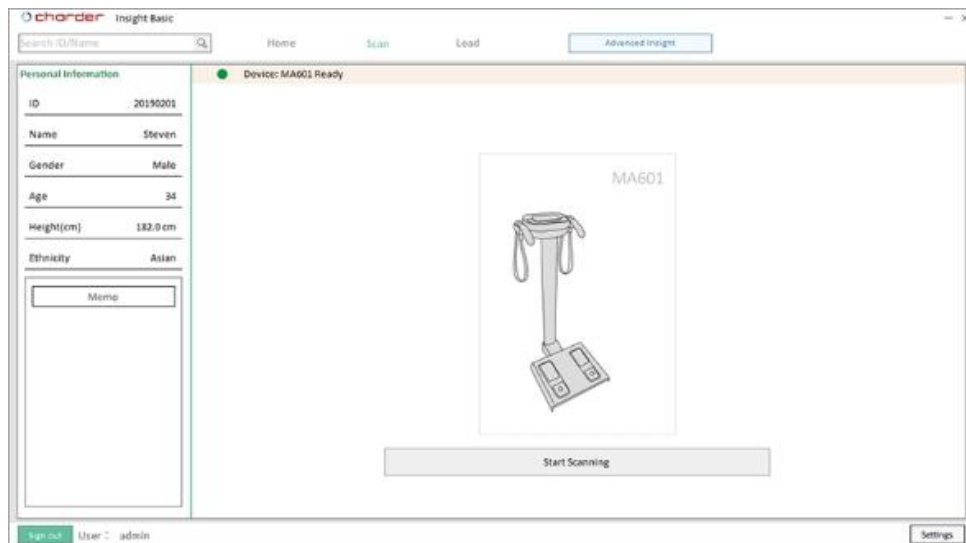
After selecting user, press **Scan** button.

The screenshot displays the Chorder Insight v1.1.40.1 Pro application interface. At the top, there is a search bar and navigation tabs: Home, Scan (highlighted with a red box), and Load. To the right of the Scan tab are buttons for Advanced Insight, Import users, Add New, Modify, and Delete. Below the navigation is a table with the following columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, Last Measurement, and Physician. The table contains 11 rows of user data. The last row, for user ID 20190201 (Steven), is highlighted in green. At the bottom of the interface, there is a status bar showing '11 Member(s)', a 'Sign out' button, the current user 'admin', an account creation time query filter set to '12/07/2021' to '04/16/2023', and a 'Settings' button.

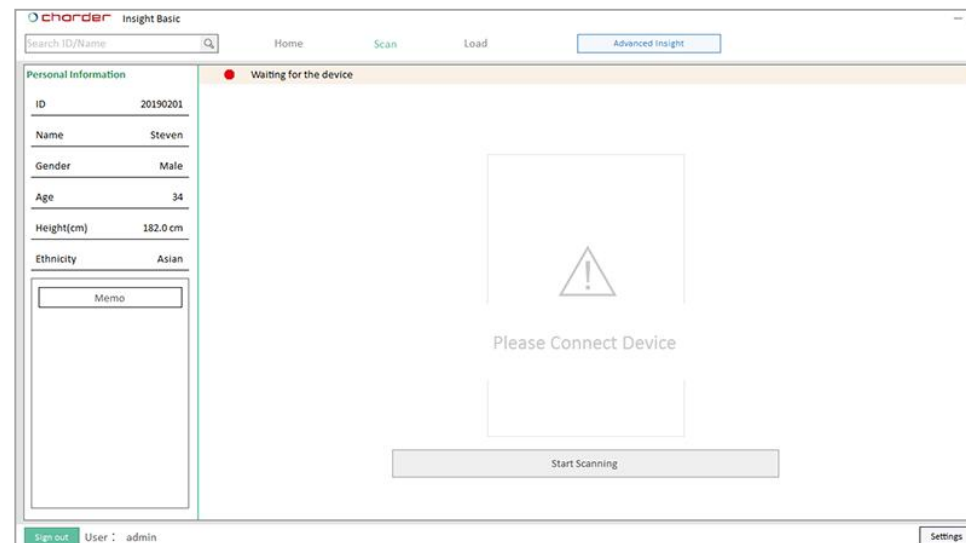
ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
2304151201	LUKA	179.0	06/08/2003	20	Male	White	04/16/2023 17:12:55	04/15/2023 17:02	admin
20110913	Jereny	145.0	09/12/2011	12	Male	Asian	02/22/2023 11:32:45	11/13/2021 14:29	admin
0955992013	ANDREW	175.0	11/08/1973	50	Male	Asian	02/22/2023 11:32:37	10/17/2021 17:24	admin
20201110	Moose	178.0	08/05/1997	26	Male	Asian	10/06/2022 17:55:42	11/13/2022 22:40	admin
20180502	Bell	152.0	02/29/1968	55	Female	Asian	10/06/2022 09:38:21	10/14/2022 17:30	admin
20200201	Ginger	152.0	05/28/1984	39	Female	Asian	10/06/2022 09:10:05	10/13/2022 17:59	admin
20140902	Kate	163.0	08/08/1988	35	Female	Asian	10/06/2022 09:00:04	10/13/2022 09:11	admin
20170602	Madison	178.0	04/22/1987	36	Female	Asian	10/06/2022 08:44:16	10/13/2022 18:43	admin
20120602	Frank	172.0	12/20/1978	44	Male	Asian	03/09/2022 13:57:49	10/07/2022 17:14	admin
20190604	Zhe	170.0	01/09/1996	27	Male	Asian	12/22/2021 09:37:37	04/11/2022 11:15	admin
<b>20190201</b>	<b>Steven</b>	<b>182.5</b>	<b>05/02/1987</b>	<b>36</b>	<b>Male</b>	<b>Asian</b>	<b>12/07/2021 10:46:00</b>	<b>09/14/2023 09:40</b>	<b>admin</b>

## B. Confirm that device is connected

Once connection is detected, software will display connected device model type. (MA601 used as example)

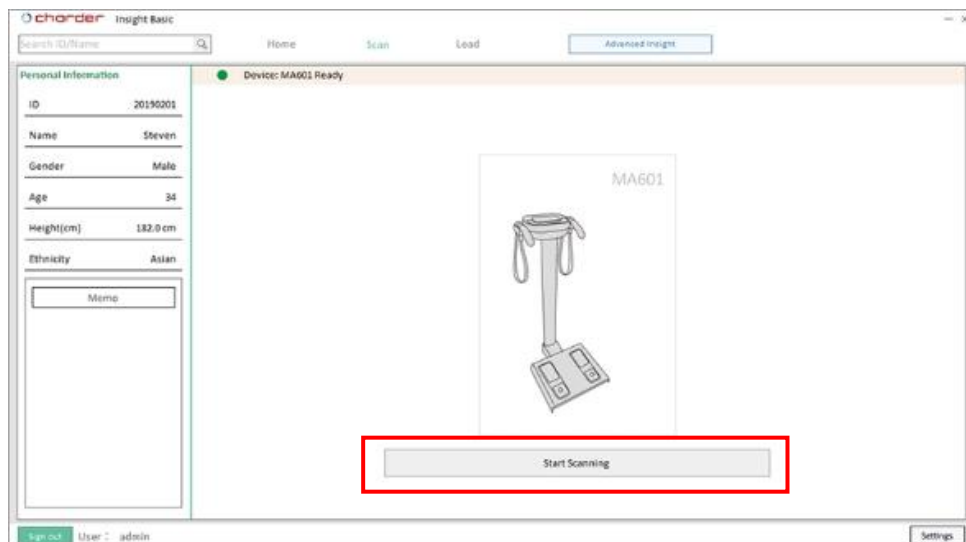


If no connection is detected, software will instruct you to connect device using USB transfer key cable



## C. Begin Scan

Press **Start Scanning** to begin measurement. User's information will be sent to device.



**NOTE:** to save results in Charder Insight, measurement must be initiated using software, not device!

The screenshot displays the Charder Insight Basic software interface. At the top, there is a navigation bar with 'Home', 'Scan', 'Load', and 'Advanced Insight' buttons. A search bar for 'ID/Name' is located on the left. The main area is titled 'Device: MA601 Ready' and contains three instructional diagrams: 1) 'Please step on' showing a foot on the device; 2) 'Grip electrode handles Stand on foot electrodes' showing a hand holding a handle; 3) 'Try to stand as still as possible Please wait patiently for the measurement results' showing a person standing on the device. A 'Stop Scanning' button is at the bottom. A 'Personal Information' sidebar on the left lists: ID: 20190201, Name: Steven, Gender: Male, Age: 34, Height(cm): 182.0 cm, Ethnicity: Asian. At the bottom, there is a 'Sign out' button, 'User : admin', and a 'Settings' button.

Personal Information	
ID	20190201
Name	Steven
Gender	Male
Age	34
Height(cm)	182.0 cm
Ethnicity	Asian

Press **Stop Scanning** if needed to cancel scan.



After measurement is completed, results will be automatically sent to Charder Insight.

**Charder Insight Pro**

Search ID/Name [ ] Home Scan **Load** Advanced Insight

**Personal Information** | Measurement Result | Analysis | Comparison Charts

ID: 20190201 | Name: Steven | Gender: Male | Age: 35 | Height(cm): 182.0 cm | Ethnicity: Asian

2022/05/09 09:18 AM | Device: MA601 | Result sheet: Standard examination

Export Data | Export Standard Report | Export Expanded Report

Summary | Body Composition Analysis | Muscle-Fat Analysis | Obesity Analysis | Segmental Analysis | Body Type Analysis | Fitness Parameters

**Health Score**  
75.2 / 100 Points

The health score is calculated based on a combination of variables, including muscle, fat, and cellular health.

	Under	Normal	Over
Weight (kg)	50 - 68	85 - 115	143 - 200 %
SMM (kg)	60 - 75	90 - 110	133 - 180 %
BFM (kg)	50 - 65	80 - 160	240 - 400 %

Weight (kg): 78.3  
SMM (kg): 35.4  
BFM (kg): 14.9

Total Body Water: 46.5 L | Percent Body Fat: 19.1 % | Fat Free Mass: 63.4 kg | Phase Angle: 5.5 °

Sign out | User : admin | Settings

If data was successfully transferred from device to Charder Insight, but PDF result sheet (Standard Report) was not included (ex: data transfer failure), press "Export Standard Report" to re-send from original device and try again.

# V. Individual Result

## A. User Info

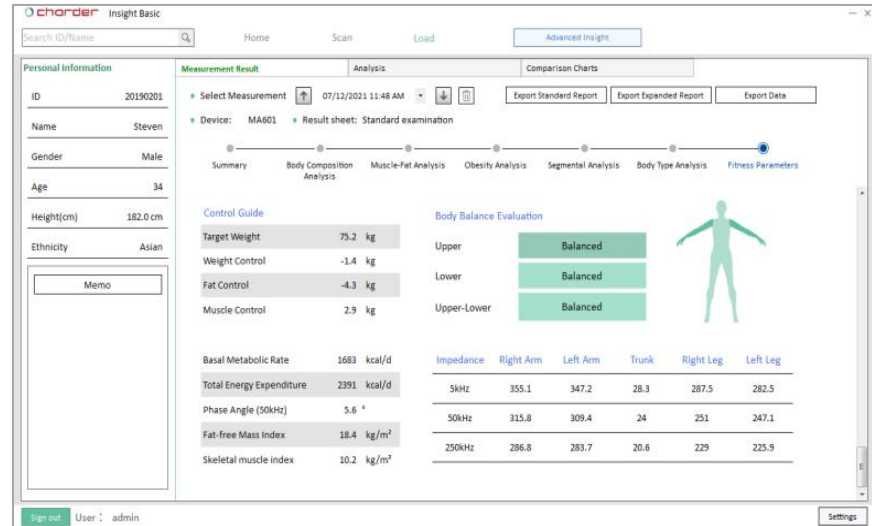
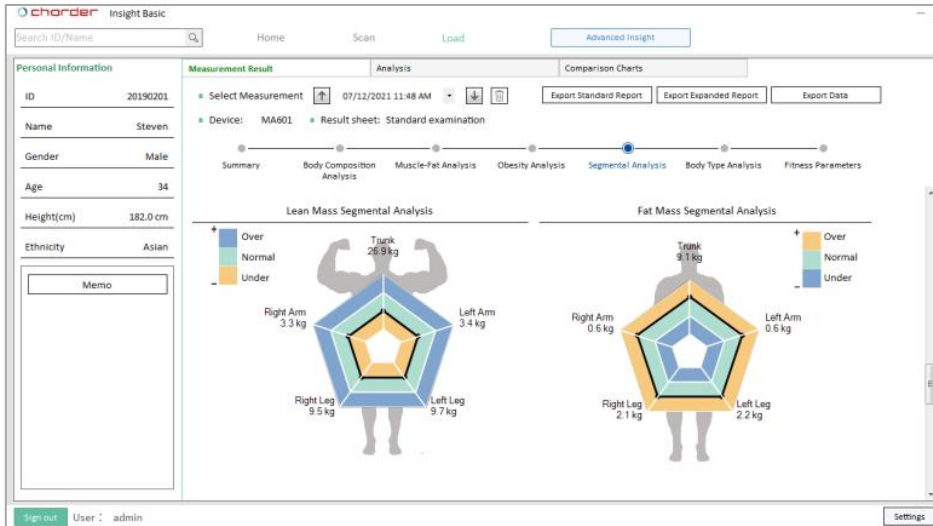
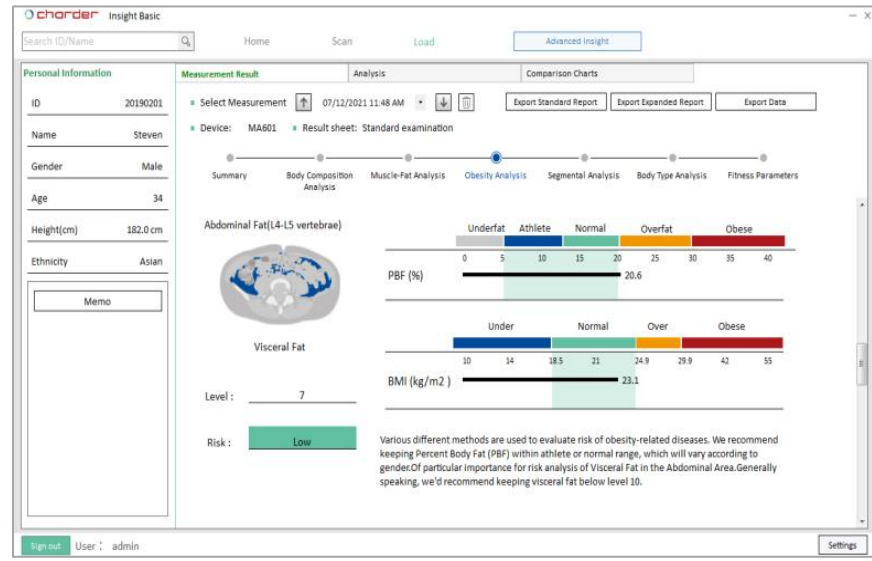
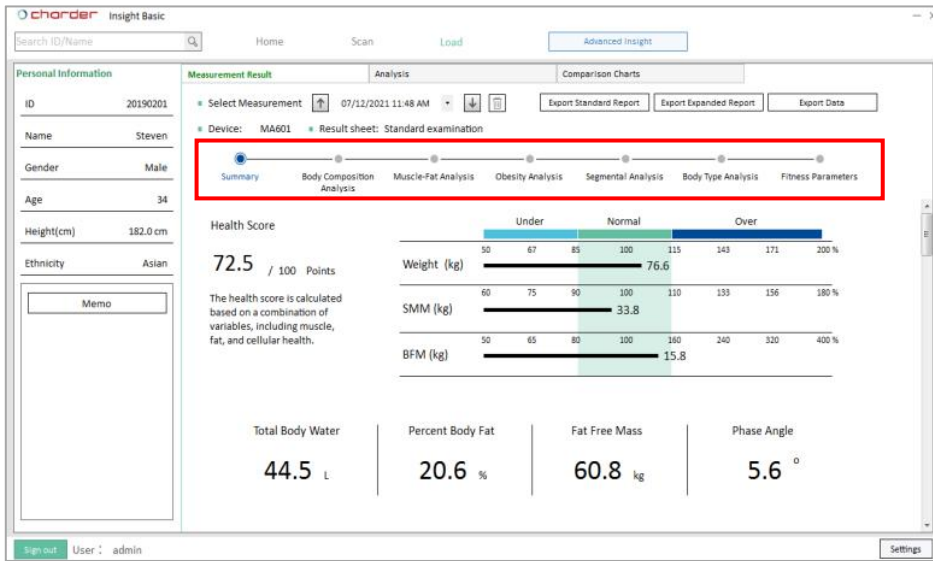
The screenshot displays the Chorder Insight Pro software interface. On the left, a 'Personal Information' sidebar is highlighted with a red box, containing fields for ID (20190201), Name (Steven), Gender (Male), Age (35), Height (182.0 cm), and Ethnicity (Asian). Below this is a 'Memo' field. The main area shows a 'Measurement Result' section with a date of 2022/05/09 09:18 AM, device MA601, and result sheet 'Standard examination'. A navigation bar includes 'Summary' (selected), 'Body Composition Analysis', 'Muscle-Fat Analysis', 'Obesity Analysis', 'Segmental Analysis', 'Body Type Analysis', and 'Fitness Parameters'. The 'Health Score' is 75.2 / 100 Points, with a note explaining it's based on muscle, fat, and cellular health. A horizontal bar chart shows 'Under', 'Normal', and 'Over' ranges for Weight (kg), SMM (kg), and BFM (kg). At the bottom, four key metrics are displayed: Total Body Water (46.5 L), Percent Body Fat (19.1 %), Fat Free Mass (63.4 kg), and Phase Angle (5.5 °). The interface also includes a search bar, navigation tabs (Home, Scan, Load, Advanced Insight), and user controls (Sign out, User: admin, Settings).

Parameter	Value
Health Score	75.2 / 100 Points
Total Body Water	46.5 L
Percent Body Fat	19.1 %
Fat Free Mass	63.4 kg
Phase Angle	5.5 °

User's information will be displayed at left of screen, to identify whose results you are viewing.

## B. Viewing analysis modules

Toggle through different body composition analysis modules using horizontal menu bar



## C. Memo

The screenshot displays the Chorder Insight Pro software interface. The main window is titled "chorder Insight Pro" and has a navigation bar with "Home", "Scan", "Load", and "Advanced Insight" buttons. A search bar is located at the top left. The interface is divided into several sections:

- Personal Information:** ID: 20190201, Name: Steven, Gender: Male, Age: 35, Height(cm): 182.0 cm, Ethnicity: Asian.
- Measurement Result:** Select Measurement: 2022/05/09 09:18 AM, Device: MA601, Result sheet: Standard examination. Buttons for "Export Data", "Export Standard Report", "Export Expanded Report", and a printer icon are present.
- Analysis:** A progress bar shows the current step is "Summary". Other steps include "Body Composition Analysis", "Muscle-Fat Analysis", "Obesity Analysis", "Segmental Analysis", "Body Type Analysis", and "Fitness Parameters".
- Health Score:** 75.2 / 100 Points. A note states: "The health score is calculated based on a combination of variables, including muscle, fat, and cellular health."
- Weight (kg):** A horizontal bar chart shows a range from 50 to 200 kg. The current weight is 78.3 kg, which falls within the "Normal" range (85-115 kg).
- SMM (kg):** A horizontal bar chart shows a range from 60 to 180 kg. The current SMM is 35.4 kg, which falls within the "Normal" range (90-110 kg).
- Total Body Water:** 46.5 L.

A "Memo" button is highlighted with a red box in the Personal Information section. A dialog box titled "chorder Memo" is open, displaying the following text:

Development of Skeletal Muscle Mass has been relatively slow due to limited training time. Recommend increasing HIIT training for better effect, as well as increased protein intake.

The dialog box has "Save" and "Cancel" buttons at the bottom right.

Click **Memo** to write memo regarding this measurement result.

Press **Save** to save, and **Cancel** to discard.

## D. Switching Between Results

**Personal Information**

ID: 20190201  
Name: Steven  
Gender: Male  
Age: 35  
Height(cm): 182.0 cm  
Ethnicity: Asian

**Measurement Result**

Select Measurement: ↑ 2022/05/09 09:18 AM ↓ 🗑️

Device: MA601 | Result sheet: Standard examination

Export Data | Export Standard Report | 🖨️  
Export Expanded Report | 📄

**Analysis**

Summary | Body Composition Analysis | Muscle-Fat Analysis | Obesity Analysis | Segmental Analysis | Body Type Analysis | Fitness Parameters

**Health Score**

75.2 / 100 Points

The health score is calculated based on a combination of variables, including muscle, fat, and cellular health.

	Under	Normal	Over
Weight (kg)	50 - 68	85 - 115	143 - 200 %
SMM (kg)	60 - 75	90 - 110	133 - 180 %
BFM (kg)	50 - 65	80 - 160	240 - 400 %

**Key Metrics:**

- Total Body Water: 46.5 L
- Percent Body Fat: 19.1 %
- Fat Free Mass: 63.4 kg
- Phase Angle: 5.5 °

Sign out | User : admin | Settings

This tab will display detailed measurement results for an individual measurement. Switch between dates using the ↑ (Previous) and ↓ (Next) buttons.

## E. Delete Result

**chorder** Insight Pro

Search ID/Name

Home Scan **Load** Advanced Insight

**Personal Information** Measurement Result Analysis Comparison Charts

ID: 20190201  
Name: Steven  
Gender: Male  
Age: 35  
Height(cm): 182.0 cm  
Ethnicity: Asian

2022/05/09 09:18 AM

Export Data Export Standard Report Export Expanded Report

Device: MA601 Result sheet: Standard examination

Summary Body Composition Analysis Muscle-Fat Analysis Obesity Analysis Segmental Analysis Body Type Analysis Fitness Parameters

**Health Score**  
75.2 / 100 Points

The health score is calculated based on a combination of variables, including muscle, fat, and cellular health.

	Under	Normal	Over
Weight (kg)	50 - 68	85 - 115	143 - 200 %
SMM (kg)	60 - 75	90 - 110	133 - 180 %
BFM (kg)	50 - 65	80 - 160	240 - 400 %

Total Body Water: 46.5 L  
Percent Body Fat: 19.1 %  
Fat Free Mass: 63.4 kg  
Phase Angle: 5.5 °

Sign out User: admin Settings

Press the trash icon to delete this measurement. **Note that deleted results cannot be restored!**



**F. Export Data (PRO)**

The screenshot shows the Charder Insight v1.1.50 Pro interface. The 'Export Data' button is highlighted with a red box. An Excel spreadsheet is overlaid on the right, showing the following data:

	K	L	M	N	O	P	IRW
1	Gender	Ethnicity	ReportDate	DeleteMark	Createtime	Weight	
2	Male	Asian	2021/12/7 14:12	0	2021/12/7 14:13	77	
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

Export individual measurement result to CSV.

**G. Export Data (All) (PRO)**

The screenshot shows the Charder Insight v1.1.50 Pro software interface. The main window displays a user profile for Steven (ID: 20190201) with personal information and measurement results. The 'Health Score' is 75.6 / 100 Points. The 'Export Data' button is highlighted, and a CSV export window is open, showing a table of measurement data for Steven from 2021 to 2022.

**Personal Information:**

- ID: 20190201
- Name: Steven
- Gender: Male
- Age: 37
- Height: 182.5 cm
- Ethnicity: Asian
- Body Type: Standard

**Measurement Result:**

- Select Measurement: 2025/02/13 10:25 AM
- Device: MA601
- Result sheet: Standard examination

**Health Score:** 75.6 / 100 Points

The health score is calculated based on a combination of variables, including muscle, fat, and cellular health.

**Weight (kg):** 50, 68, 85

**SMM (kg):** 60, 75, 90

**BFM (kg):** 50, 65, 80

**Total Body Water:** 47.7 L

**Percent Body Fat:** 20.6 %

**Fat Free Mass:** 65.2 kg

**Export Data CSV Table:**

User ID	User Name	Report Date	Gender	Ethnicity	Weight	Height	Age
20190201	Steven	12/7/2021 10:54	Male	Asian	76.9	182	34
20190201	Steven	12/16/2021 10:58	Male	Asian	76.2	182	34
20190201	Steven	12/22/2021 9:42	Male	Asian	76.6	182	34
20190201	Steven	1/12/2022 11:26	Male	Asian	76.4	182	3
20190201	Steven	1/18/2022 16:49	Male	Asian	78	182	34
20190201	Steven	3/9/2022 13:31	Male	Asian	77	182	34
20190201	Steven	5/9/2022 9:18	Male	Asian	78.3	182	35
20190201	Steven	7/20/2022 8:41	Male	Asian	79.6	182	35
20190201	Steven	7/21/2022 8:36	Male	Asian	78.9	182	35
20190201	Steven	7/26/2022 8:32	Male	Asian	78.4	182	35
20190201	Steven	9/7/2022 8:32	Male	Asian	77.7	182	35
20190201	Steven	9/12/2022 8:43	Male	Asian	78.7	182	35
20190201	Steven	9/13/2022 15:28	Male	Asian	79.1	182	35
20190201	Steven	9/13/2022 16:10	Male	Asian	79.1	182	35
20190201	Steven	9/14/2022 9:47	Male	Asian	80	182	35
20190201	Steven	9/20/2022 8:35	Male	Asian	79.5	182	35
20190201	Steven	9/20/2022 9:50	Male	Asian	80.4	182	35
20190201	Steven	9/20/2022 9:53	Male	Asian	80.3	182	35
20190201	Steven	9/20/2022 9:56	Male	Asian	80.1	182	35
20190201	Steven	9/20/2022 9:59	Male	Asian	80.1	182	35
20190201	Steven	10/6/2022 8:35	Male	Asian	78.6	182	35
20190201	Steven	10/6/2022 17:50	Male	Asian	79.1	182	35
20190201	Steven	10/7/2022 8:22	Male	Asian	78.7	182	35
20190201	Steven	10/7/2022 18:28	Male	Asian	79.1	182	35
20190201	Steven	10/12/2022 8:35	Male	Asian	78.9	182	35
20190201	Steven	10/13/2022 8:39	Male	Asian	78.6	182	35

Export all measurement results for an individual to CSV.



## H. Export Result to PDF

The screenshot shows the Charder Insight v1.1.50 Pro software interface. At the top, there are navigation tabs: Home, Scan, Load, and Advanced Insight. A search bar is located on the left. The main content area is divided into several sections:

- Personal Information:** ID (20190201), Name (Steven), Gender (Male), Age (37), Height (182.5 cm), Ethnicity (Asian), Body Type (Standard).
- Measurement Result:** Select Measurement (2025/02/13 10:25 AM), Device (MA601), Result sheet (Standard examination).
- Analysis:** Summary (selected), Body Composition Analysis, Muscle-Fat Analysis, Obesity Analysis, Segmental Analysis, Body Type Analysis, Fitness Parameters.
- Comparison Charts:** Export Data, Export Standard Report (highlighted in red), Export Data (All), Export Expanded Report.
- Health Score:** 75.6 / 100 Points. Text: "The health score is calculated based on a combination of variables, including muscle, fat, and cellular health."
- Weight (kg):** 77.0 kg. Scale: 50, 68, 85, 100.
- SMM (kg):** 36.3 kg. Scale: 60, 75, 90, 100.
- BFM (kg):** 15.4 kg. Scale: 50, 65, 80, 100.
- Total Body Water:** 47.7 L
- Percent Body Fat:** 20.6 %
- Fat Free Mass:** 65.2 kg

Two callout boxes are present:

- One pointing to the "Export Standard Report" button with the text: "Export and save result as PDF file".
- Another pointing to the printer icon with the text: "Directly print PDF file".

At the bottom left, there is a "Sign out" button and "User : admin".

Export individual measurement result to PDF.

This is the same one-page result sheet provided by the device.

The detailed result sheet includes the following sections:

- Header:** Name (Steven), ID (20190201), Ethnicity, Height (182.0 cm), Gender (Male), Age (34), Measured Time (12.07.2021 14:12).
- Body Composition Analysis:**

Compartment	Value	YAW	SLM	FFM	Weight	Normal Range
ICW (L)	28.3	45.1				25.2 - 30.8
ECW (L)	16.8		58.0			15.5 - 18.9
Protein (kg)	12.5			61.6	77.0	9.8 - 13.5
Mineral (kg)	4.0					2.5 - 4.3
BFM (kg)	15.4					7.7 - 15.4
- Muscle - Fat Analysis:**
  - Weight (kg): 77.0 kg (Target: 75.7 kg)
  - SMM (kg): 36.3 kg (Target: 35.9 kg)
  - BFM (kg): 15.4 kg (Target: 12.6 kg)
- Obesity Analysis:** VFA (Rating) 7 (Underweight), BMI (kg/m<sup>2</sup>) 23.2 (Normal).
- Segmental Lean, Fat and Body Type Analysis:**
  - Right Arm: 3.4 kg
  - Left Arm: 3.4 kg
  - Right Leg: 9.6 kg
  - Left Leg: 9.7 kg
  - Trunk: 27.3 kg
  - Right Leg: 2.0 kg
  - Left Leg: 2.1 kg
- Muscle Quality:** Right Hand (385-477 N), Left Hand (365-442 N). Muscle Quality Score: 81 / 100 Points.
- Body Composition History:**

Date	Weight (kg)	FFM (kg)	SMM (kg)	PBF (%)
12.19.2021	75.4	60.0	30.0	19.3
12.26.2021	77.1	62.3	31.4	19.2
12.27.2021	76.9	60.5	33.6	21.4
12.28.2021	77.2	61.1	34.0	20.9
12.29.2021	77.2	61.2	34.1	20.7
12.30.2021	77.0	61.4	34.3	20.0

In **Settings**, you can choose to save as "Data+Background", or Data Only (for use with pre-printed Charder result sheet)

Settings

**Software Settings**

Device Settings

Manage Accounts

Backup Data & Recovery

Import Subject & Data Export

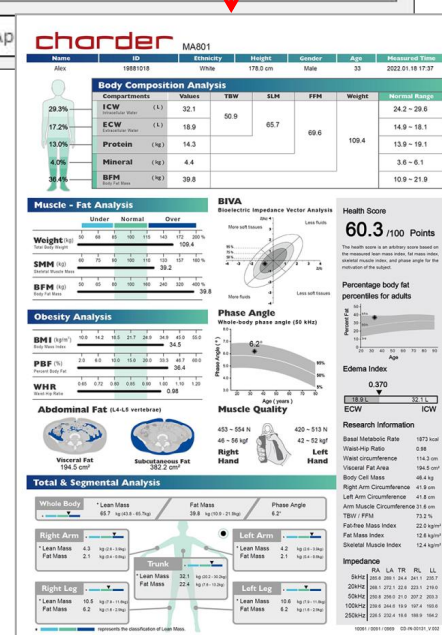
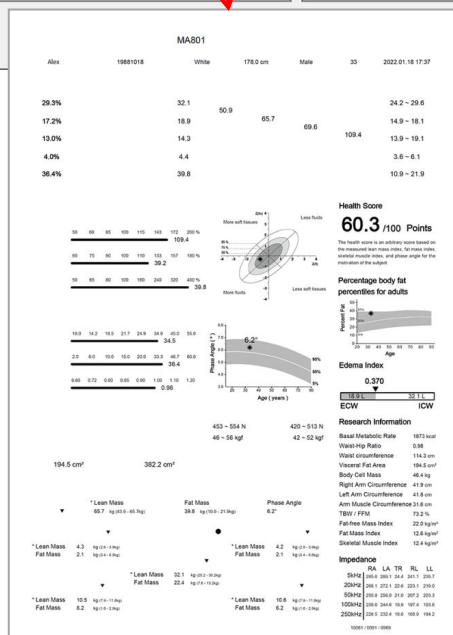
About

**Software Settings**

Charder Insight software is designed to make management of user data easier, with additional analysis. This is not a diagnostic software. Results are for reference only, and should be interpreted by qualified professionals only.

**General Settings** Result Sheet Custom Logo

- Language English
- Unit
  - Metric  
Weight (kg) , Height(cm)
  - Imperial
- Date Format
  - 12hr
  - YYYY/MM/DD
  - 24hr
  - MM/DD/YYYY
  - DD/MM/YYYY
- Export PDF Format
  - Data Only
  - Data + Background
- Save Files  
Default save location : D:\Downloads\Charder Insight Browse



# I. Export Expanded Report (PRO)

**Export and save result as PDF file**

**Directly print PDF file**

**charder** Insight v1.1.50 Pro

Search ID/Name

Home Scan Load **Advanced Insight**

**Personal Information**

ID: 20190201

Name: Steven

Gender: Male

Age: 37

Height: 182.5 cm

Ethnicity: Asian

Body Type: Standard

Memo

Measurement Result

Select Measurement: 2025/02/13 10:25 AM

Device: MA601 Result sheet: Standard examination

Export Data Export Standard Report

Export Data (All) **Export Expanded Report**

Summary Body Composition Analysis Muscle-Fat Analysis Obesity Analysis Segmental Analysis

**Health Score**

75.6 / 100 Points

The health score is calculated based on a combination of variables, including muscle, fat, and cellular health.

Under Normal Over

Weight (kg): 50 68 85 100 115

SMM (kg): 60 75 90 100 115

BFM (kg): 50 65 80 100 115

Total Body Water: 47.7 L

Percent Body Fat: 20.6 %

Fat Free Mass: 65.2 kg

Sign out User: admin

**charder**

Name	ID	Ethnicity	Height	Gender	Age	Measured Time
Steven	20190201	Asian	182.5 cm	Male	36	09/14/2023 09:40

**Summary**

Health Score: 74.3 / 100 Points

The health score is calculated based on a combination of variables, including muscle, fat, and cellular health.

Total Body Water: 46.5 L

Percent Body Fat: 20.4 %

Fat Free Mass: 63.4 kg

Phase Angle: 5.5 °

**Body Composition**

Components	Value	TBW	SMM	BFM	Weight	Reference Range
ICW	28.3					25.8 ~ 33.0
ECW	17.0	46.3	18.4	85.4	79.6	13.8 ~ 19.0
Protein	12.0					10.1 ~ 13.5
Mineral	6.0					2.8 ~ 4.6
BFM	26.2					1.0 ~ 12.9

**Body Composition**

This section divides your body composition into compartments, with a normal range for reference. You can click on the pie chart for an explanation of each compartment.

**Muscle-Fat**

Muscle Quality

355/443 N 44°49 kgf

388/447 N 27°59 kgf

Right Hand Left Hand

Muscle Quality Score: 82 / 100 Points

The length of the black bars indicate the proportion of Skeletal Muscle Mass (SMM) and Body Fat Mass (BFM) in your body. Mass Fitness and health goals recommend increasing SMM to "over", while keeping BFM within normal range.

The Muscle Quality calculation to the left is your estimated grip strength based on a combination of muscle and cellular analysis.

page 1 / 3

Export individual measurement result to PDF. This is the expanded multiple page result sheet provided by Charder Insight.

Memos added to a measurement result will be included.

# VI. History

## A. Description

Select **Analysis** tab to view history results for this user.

**Personal Information**

ID	20190201
Name	Steven
Gender	Male
Age	35
Height(cm)	182.0 cm
Ethnicity	Asian

**Measurement Result**

**Analysis**

Select Date Range: Recent Results | 2021/12/07 ~ 2022/05/09 | Search

Search Option: Basic Analysis

Export Data | Export Report

**Weight (kg)**

Date	Weight (kg)
2021/12/07 04:51 PM	76.4
2021/12/07 04:54 PM	76.4
2021/12/07 04:59 PM	76.4
2021/12/16 10:58 AM	76.2
2021/12/21 09:32 AM	77.2
2021/12/22 09:42 AM	76.6
2022/01/12 11:26 AM	76.4
2022/01/18 04:49 PM	78.0
2022/03/09 01:31 PM	77.0
2022/05/09 09:18 AM	78.3

Sign out | User : admin | Settings

Basic Analysis is available on the Basic version of the software. Other analysis modules are limited to the Pro version.

The screenshot shows the Chorder Insight Pro software interface. On the left, there is a 'Personal Information' sidebar with fields for ID (20190201), Name (Steven), Gender (Male), Age (35), Height (182.0 cm), and Ethnicity (Asian). Below this is a 'Memo' field. The main area is titled 'Load' and contains a 'Search ID/Name' field and navigation tabs for 'Home', 'Scan', 'Load', and 'Advanced Insight'. The 'Load' tab is active, showing a 'Measurement Result' section with a 'Select Date Range' (2021/12/07 to 2022/05/09) and a 'Search Option' dropdown menu. The dropdown menu is open, showing 'Basic Analysis' selected, with other options like 'Muscle-Fat Analysis', 'Physical Fitness Analysis', and 'Risk Assessment' marked as 'PRO only'. Below the menu is a line graph for 'Weight (kg)' with data points for various dates and times. The y-axis ranges from 76 to 80 kg. The x-axis shows dates from 2021/12/07 to 2022/05/09. The data points are: 76.4 (2021/12/07 04:51 PM), 76.4 (2021/12/07 04:54 PM), 76.4 (2021/12/07 04:59 PM), 76.2 (2021/12/16 10:58 AM), 77.2 (2021/12/21 09:32 AM), 76.6 (2021/12/22 09:42 AM), 76.4 (2022/01/12 11:26 AM), 78.0 (2022/01/18 04:49 PM), 77.0 (2022/03/09 01:31 PM), and 78.3 (2022/05/09 09:18 AM). At the bottom, there is a 'Sign out' button, 'User : admin', and a 'Settings' button.

Date/Time	Weight (kg)
2021/12/07 04:51 PM	76.4
2021/12/07 04:54 PM	76.4
2021/12/07 04:59 PM	76.4
2021/12/16 10:58 AM	76.2
2021/12/21 09:32 AM	77.2
2021/12/22 09:42 AM	76.6
2022/01/12 11:26 AM	76.4
2022/01/18 04:49 PM	78.0
2022/03/09 01:31 PM	77.0
2022/05/09 09:18 AM	78.3



Toggle through different body composition results using the horizontal menu bar

**chorder** Insight Pro

Search ID/Name  Home Scan **Load** Advanced Insight

**Personal Information**

ID: 20190201  
Name: Steven  
Gender: Male  
Age: 35  
Height(cm): 182.0 cm  
Ethnicity: Asian

Memo

Measurement Result Analysis Comparison Charts

Select Date Range: Recent Results 2021/12/07 ~ 2022/05/09 Search

Search Option: Basic Analysis

Export Data Export Report

Weight BMI SMM **Body Fat** Visceral Fat Phase Angle Edema Index Muscle Quality Health Score BMR

Mass %

Date	Time	Weight (kg)	Body Fat (%)
2021/12/07	04:51 PM	16.1	21.1
2021/12/07	04:54 PM	16.2	21.2
2021/12/07	04:59 PM	15.9	20.8
2021/12/16	10:58 AM	14.2	18.7
2021/12/21	09:32 AM	15.7	20.3
2021/12/22	09:42 AM	14.5	18.9
2022/01/12	11:26 AM	15.9	20.8
2022/01/18	04:49 PM	16.1	20.6
2022/03/09	01:31 PM	15.3	19.8
2022/05/09	09:18 AM	14.9	19.1

Sign out User : admin Settings

Press **Recent Results** to jump to most recent measurement results.

**chorder** Insight Pro

Search ID/Name  Home Scan **Load** Advanced Insight

**Personal Information**

ID: 20190201  
Name: Steven  
Gender: Male  
Age: 35  
Height(cm): 182.0 cm  
Ethnicity: Asian

Memo

Measurement Result Analysis Comparison Charts

Select Date Range: **Recent Results** 2021/12/07 ~ 2022/05/09 Search

Select Option: Basic Analysis

Weight BMI SMM **Body Fat** Visceral Fat Phase Angle Edema Index Muscle Quality Health Score BMR

Mass %

Date	Time	Weight (kg)	Body Fat (%)
2021/12/07	04:51 PM	16.1	21.1
2021/12/07	04:54 PM	16.2	21.2
2021/12/07	04:59 PM	15.9	20.8
2021/12/16	10:58 AM	14.2	18.7
2021/12/21	09:32 AM	15.7	20.3
2021/12/22	09:42 AM	14.5	18.9
2022/01/12	11:26 AM	15.9	20.8
2022/01/18	04:49 PM	16.1	20.6
2022/03/09	01:31 PM	15.3	19.8
2022/05/09	09:18 AM	14.9	19.1

Sign out User : admin Settings

Use **Calendar** to set search range and press **Search** to display results within a certain date range.

**chorder** Insight Pro

Search ID/Name  Home Scan **Load** Advanced Insight

**Personal Information**

ID	20190201
Name	Steven
Gender	Male
Age	35
Height(cm)	182.0 cm
Ethnicity	Asian

Memo

Measurement Result Analysis Comparison Charts

Select Date Range Recent Results 2021/12/15 ~ 2022/01/12 Search

Search Option Basic Analysis

Weight BMI SMM Body Fat Visceral Fat Phase Angle Edema Index Muscle Quality Score Health Score BMR

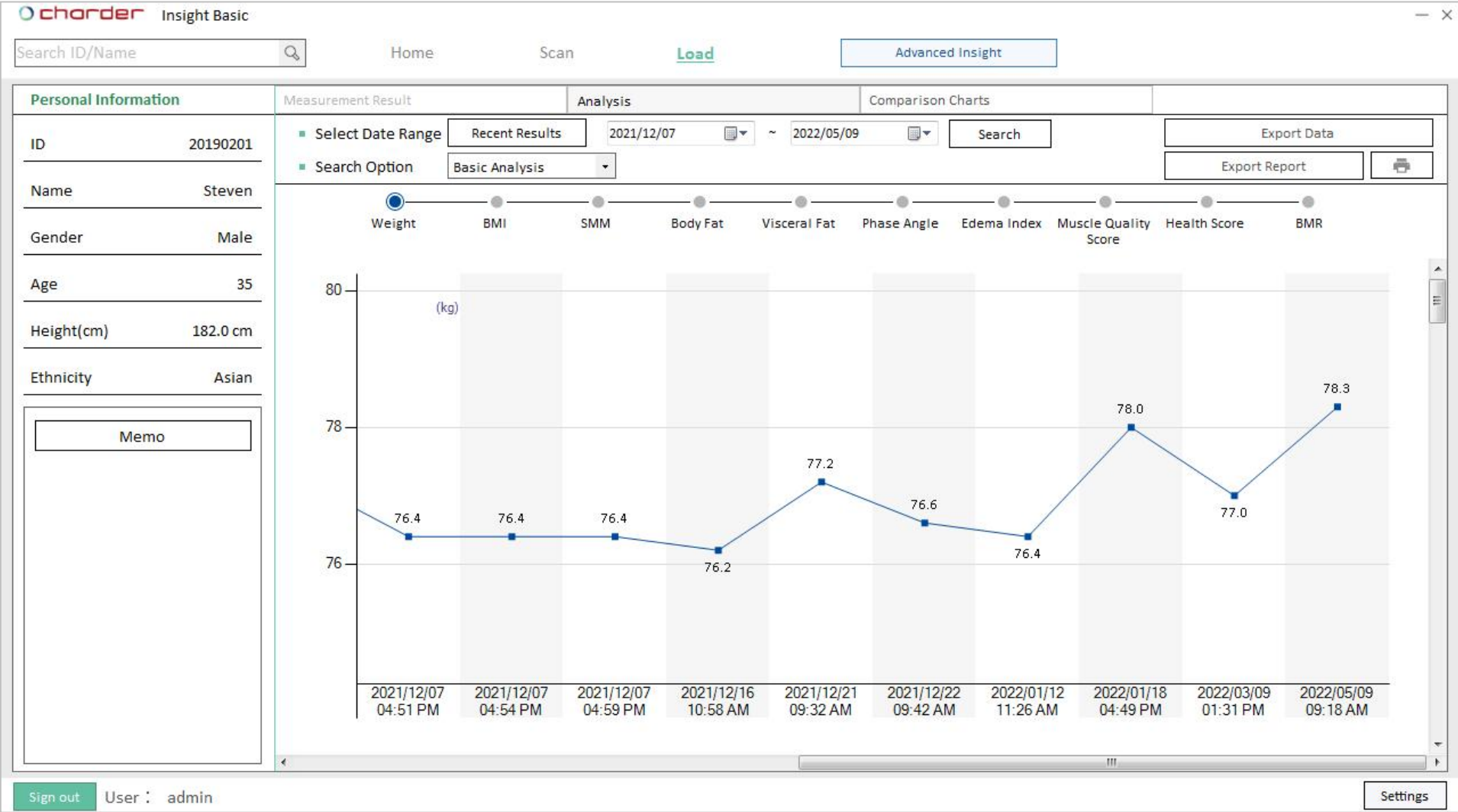
Date	Weight (kg)
2021/12/16 10:58 AM	76.2
2021/12/21 09:32 AM	77.2
2021/12/22 09:42 AM	76.6
2022/01/12 11:26 AM	76.4

Export Data Export Report

Sign out User : admin Settings



## B. Basic Analysis



View history results for various body composition measurements. Displayed results may vary depending on the model used for measurement.

## C. Muscle-Fat Analysis (PRO)

### Compare Muscle-Fat Proportion compared to Full Body Weight



View Weight / Skeletal Muscle Mass / Body Fat Mass together to observe if there are noticeable changes in proportion.

## Compare Body Fat Percentage with Abdominal Visceral Fat



View Percent Body Fat / Visceral Fat together to observe if there are noticeable disparities between the two.

## View changes in Body Type Analysis

chorder Insight Pro

Search ID/Name

Home Scan **Load** Advanced Insight

Personal Information

ID: 20190201  
 Name: Steven  
 Gender: Male  
 Age: 35  
 Height(cm): 182.0 cm  
 Ethnicity: Asian

Memo

Measurement Result Analysis Comparison Charts

Select Date Range: Recent Results 2021/12/07 ~ 2022/05/09 Search

Search Option: Muscle-Fat Analysis

Weight SMM Body Fat PBF Visceral Fat **Body Type Analysis**

Athletic	Over weight muscular	Obese
Low fat muscular	Standard	Over fat
Low fat Low weight	Low weight	Thin fat

Body Type Analysis :  
**Standard**

2021/12/07 04:51 PM	2021/12/07 04:54 PM	2021/12/07 04:59 PM	2021/12/16 10:58 AM	2021/12/21 09:32 AM	2021/12/22 09:42 AM	2022/01/12 11:26 AM	2022/01/18 04:49 PM	2022/03/09 01:31 PM	2022/05/09 09:18 AM
---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------	---------------------

Sign out User : admin Settings

Observe if the measurement point indicating Body Type has changed for a user over time.

## D. Physical Fitness Analysis (PRO)

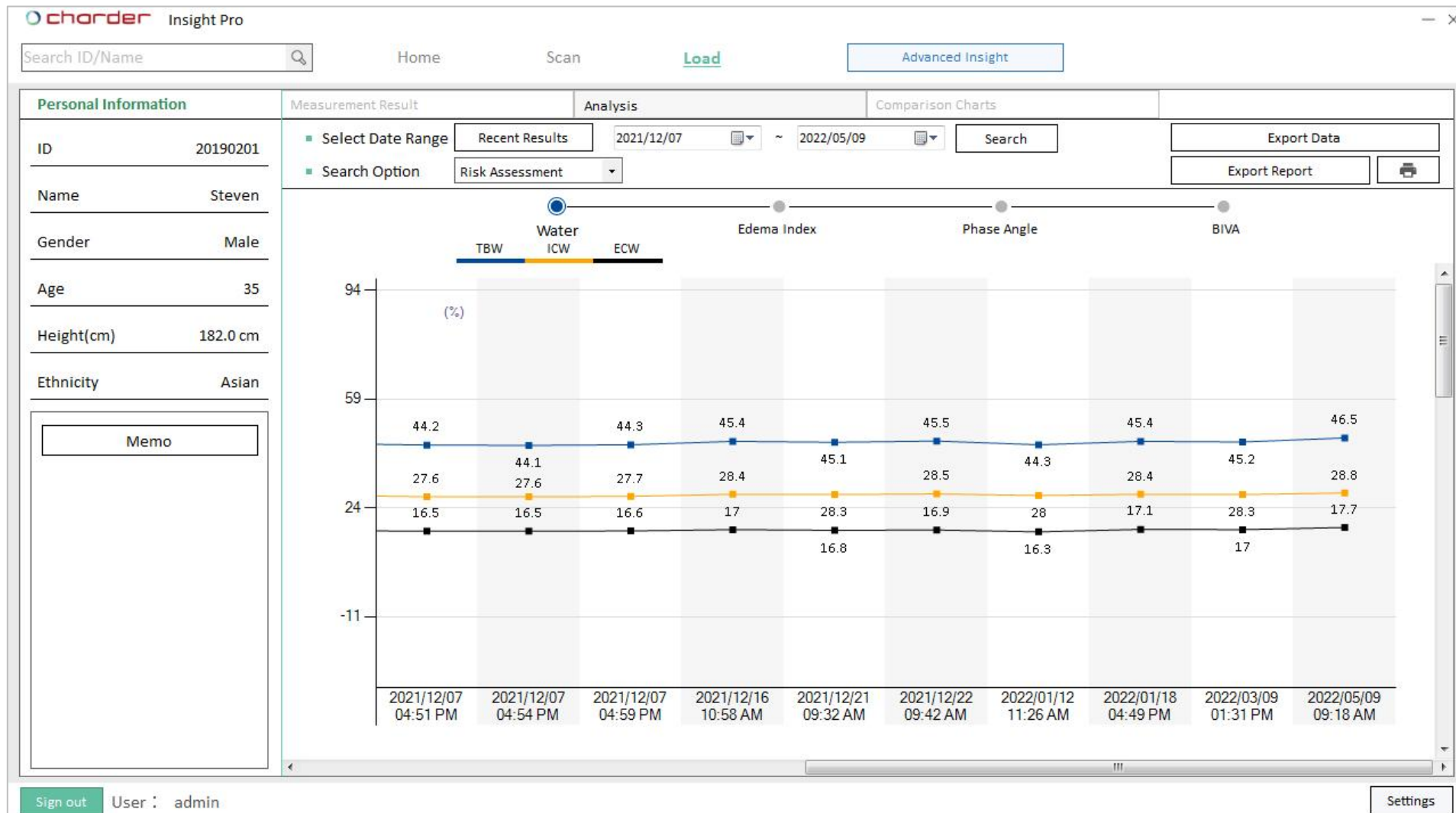


**Muscles:** View muscle mass for the trunk, upper body, and lower body compared to whole-body, and observe if there are noticeable imbalances

**SMM:** View Skeletal Muscle Mass and Skeletal Muscle Percentage

**Phase Angle, Skeletal Muscle Index, Muscle Quality Score:** Track changes in results

## E. Risk Assessment (PRO)



**Water:** View Extracellular Water and Intracellular Water proportion compared to Total Body Water

**Edema Index:** Observe if Extracellular Water/Total Body Water proportion exceeds normal range of 0.36-0.39

**Phase Angle, BIVA:** Track changes in Phase Angle and BIVA location



## F. Comparison Charts (PRO)

charder Insight Pro

Search ID/Name

Home Scan **Load** Advanced Insight

Personal Information Measurement Result Analysis Comparison Charts

ID: 20190201

Name: Steven

Gender: Male

Age: 35

Height(cm): 182.0 cm

Ethnicity: Asian

Memo

Select Date Range: Recent Results 2021/12/07 ~ 2022/05/09 Search

Export Data Export Report

Phase Angle Percentage Body Fat

**What is Phase Angle**

Whole-body phase angle (50 kHz)

Phase angle is often used as an important indicator of the body's cellular health. A higher phase angle is ideal (and should only be compared with the same gender). If phase angle falls underneath the shaded area, it might be caused by poor cellular health.

Phase Angle : **49 th**

Date	Time	Phase Angle (°)
2021/12/07	04:51 PM	5.6
2021/12/07	04:54 PM	5.7
2021/12/07	04:59 PM	5.7
2021/12/16	10:58 AM	5.5
2021/12/21	09:32 AM	5.6
2021/12/22	09:42 AM	5.7
2022/01/12	11:26 AM	5.8
2022/01/18	04:49 PM	5.5
2022/03/09	01:31 PM	5.8
2022/05/09	09:18 AM	5.5

Sign out User : admin Settings

**Phase Angle:** Observe how Phase Angle compares to similar populations

**Percentage Body Fat:** Result will be compared with percentile chart for same age and gender.



## VII. Advanced Insight (PRO)

(only available in PRO mode)

Press **Advanced Insight** button.

The screenshot shows the Chorder Insight v1.1.40.1 Pro interface. At the top, there is a navigation bar with a search box, a search icon, and buttons for Home, Scan, Load, and **Advanced Insight** (highlighted with a red box). To the right of the navigation bar are buttons for Import users, Add New, Modify, and Delete. Below the navigation bar is a table with the following columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, Last Measurement, and Physician. The table contains 11 rows of data, with the last row (ID: 20190201, Name: Steven) highlighted in green. At the bottom of the interface, there is a status bar showing "11 Member(s)", a "Sign out" button, the user "admin", and an "Account creation time query" section with date pickers for "12/07/2021" and "04/16/2023", and a "Settings" button.

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
2304151201	LUKA	179.0	06/08/2003	20	Male	White	04/16/2023 17:12:55	04/15/2023 17:02	admin
20110913	Jereny	145.0	09/12/2011	12	Male	Asian	02/22/2023 11:32:45	11/13/2021 14:29	admin
0955992013	ANDREW	175.0	11/08/1973	50	Male	Asian	02/22/2023 11:32:37	10/17/2021 17:24	admin
20201110	Moose	178.0	08/05/1997	26	Male	Asian	10/06/2022 17:55:42	11/13/2022 22:40	admin
20180502	Bell	152.0	02/29/1968	55	Female	Asian	10/06/2022 09:38:21	10/14/2022 17:30	admin
20200201	Ginger	152.0	05/28/1984	39	Female	Asian	10/06/2022 09:10:05	10/13/2022 17:59	admin
20140902	Kate	163.0	08/08/1988	35	Female	Asian	10/06/2022 09:00:04	10/13/2022 09:11	admin
20170602	Madison	178.0	04/22/1987	36	Female	Asian	10/06/2022 08:44:16	10/13/2022 18:43	admin
20120602	Frank	172.0	12/20/1978	44	Male	Asian	03/09/2022 13:57:49	10/07/2022 17:14	admin
20190604	Zhe	170.0	01/09/1996	27	Male	Asian	12/22/2021 09:37:37	04/11/2022 11:15	admin
<b>20190201</b>	<b>Steven</b>	<b>182.5</b>	<b>05/02/1987</b>	<b>36</b>	<b>Male</b>	<b>Asian</b>	<b>12/07/2021 10:46:00</b>	<b>09/14/2023 09:40</b>	<b>admin</b>

## A. Search Using Condition

**chorder** ADVANCED INSIGHT ×

Filter

Search Using Condition

Registration   ~

Measurement   ~

Gender    Age   ~

Height   ~

Results Filter

Weight  BMI  Body Fat Percentage  Body Fat Mass  Skeletal Muscle Mass  Body Water

Phase Angle  BMR  Health Score  Visceral Fat Area

Analysis Filter

Max  Min  Average  Change (Total)  Change (Person)

Set search conditions. A set of conditions can be saved as a filter to be used in the future as needed.

**B. View Statistical Analysis**

**chorder** ADVANCED INSIGHT

Search Filter

Register Date: 2022/01/01 ~ 2022/05/20      Age: 5 ~ 100

Measure Date: 2022/01/01 ~ 2022/05/20      Height: 50 ~ 200

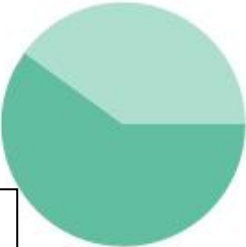
Gender: All

Export Data

Export Report


Results Stats

**6**      **60.0%**  
Persons      6 / 10 Persons



Number and percentage of users meeting search conditions

**9**      **28.1%**  
Measurements      9 / 32 Measurements



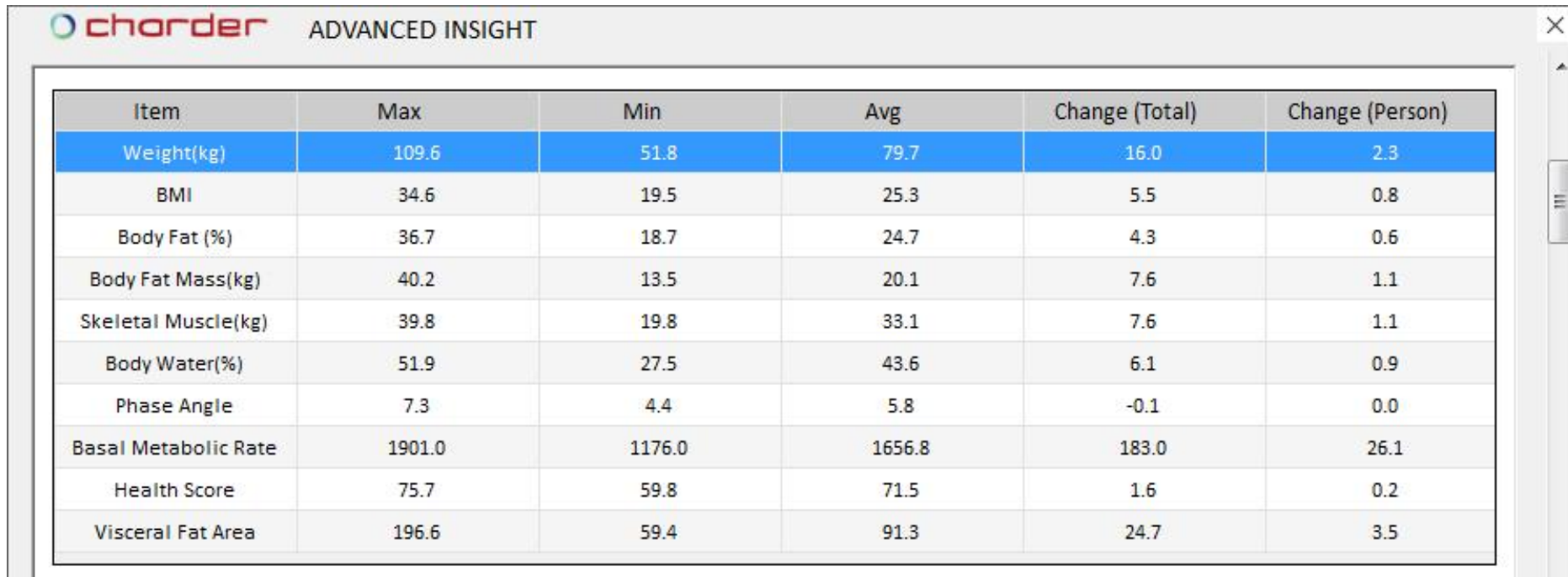
Number and percentage of results meeting search conditions

Results Analysis

Item	Max	Min	Avg	Change (Total)	Change (Person)
Weight(kg)	109.6	43.0	82.0	-0.4	-0.1

Results of results found using selected filters will be displayed.

## Overview



Item	Max	Min	Avg	Change (Total)	Change (Person)
Weight(kg)	109.6	51.8	79.7	16.0	2.3
BMI	34.6	19.5	25.3	5.5	0.8
Body Fat (%)	36.7	18.7	24.7	4.3	0.6
Body Fat Mass(kg)	40.2	13.5	20.1	7.6	1.1
Skeletal Muscle(kg)	39.8	19.8	33.1	7.6	1.1
Body Water(%)	51.9	27.5	43.6	6.1	0.9
Phase Angle	7.3	4.4	5.8	-0.1	0.0
Basal Metabolic Rate	1901.0	1176.0	1656.8	183.0	26.1
Health Score	75.7	59.8	71.5	1.6	0.2
Visceral Fat Area	196.6	59.4	91.3	24.7	3.5

(Explanation uses weight as example)

**Max:** Highest weight among results was 109.6 kg

**Min:** Lowest weight among results was 51.8 kg

**Avg:** Average weight value among results was 79.7 kg

**Change (Total):** Combined change in weight for all results was +16.0 kg

**Change (Person):** Largest change in weight for any individual was +2.3 kg

## Differences

chorder		ADVANCED INSIGHT		
Body Fat Percentage	Max.	36.7%		<a href="#">Alex 2022-01-18 17:20:56</a>
	Min.	18.7%		<a href="#">Steven 2021-12-16 10:58:34</a>
Biggest differences(+)		7%		<a href="#">Jane 2021-12-07 11:32:59 ~ 2022-01-12 11:30:20</a>
		0%		<a href="#">Zhe 2021-12-22 09:40:27 ~ 2021-12-22 09:40:27</a>
		0%		<a href="#">Aurora 2022-05-17 15:05:07 ~ 2022-05-17 15:05:07</a>
Biggest differences(-)		-2.3%		<a href="#">Steven 2021-12-07 10:54:32 ~ 2022-05-09 09:18:37</a>
		-0.3%		<a href="#">Alex 2022-01-18 17:20:56 ~ 2022-01-18 17:37:15</a>
		-0.1%		<a href="#">Frank 2022-03-09 13:59:54 ~ 2022-03-10 09:17:53</a>

(Explanation uses Body Fat Percentage as example)

**Max:** Highest Body Fat Percentage among results was 36.7%

**Min:** Lowest Body Fat Percentage among results was 18.7%

**Biggest differences(+):** Top 3 increases in Body Fat Percentage. Biggest increase was 7%

**Biggest differences(-):** Top 3 decreases in Body Fat Percentage. Biggest decrease was -2.3%

Name and measurement date can be clicked to bring you to that subject's measurements

## Comparison with larger group



(Explanation uses Body Fat Percentage as example)

**Max:** Highest Body Fat Percentage among results compared to entire database (Highest Percentage in results was 36.7%, compared to 36.7% in entire database. This indicates that subject with highest Body Fat Percentage is included among these results)

**Min:** Lowest Body Fat Percentage among results compared to entire database (Lowest Percentage in results was 18.7%, compared to 9.4% in entire database)

**Average:** Average Body Fat Percentage among results compared to entire database (Average Percentage in results was 24.7%, compared to 24.04% for entire database)

# VIII. Settings

## Enter Settings

Press **Settings** to enter software settings.

The screenshot shows the Chorder Insight v1.1.40.1 Pro application window. At the top, there is a search bar and navigation tabs for Home, Scan, Load, and Advanced Insight. On the right, there are buttons for Import users, Add New, Modify, and Delete. The main area contains a table with 11 columns: ID, Name, Height, Birthday, Age, Gender, Ethnicity, Account Created, Last Measurement, and Physician. The table lists 11 members, with the last row (ID: 20190201, Name: Steven) highlighted in green. At the bottom left, it shows '11 Member(s)'. At the bottom right, there is a 'Settings' button highlighted with a red box. The footer includes a 'Sign out' button, the user 'admin', and an account creation time query filter set to '12/07/2021' to '04/16/2023'.

ID	Name	Height	Birthday	Age	Gender	Ethnicity	Account Created	Last Measurement	Physician
2304151201	LUKA	179.0	06/08/2003	20	Male	White	04/16/2023 17:12:55	04/15/2023 17:02	admin
20110913	Jereny	145.0	09/12/2011	12	Male	Asian	02/22/2023 11:32:45	11/13/2021 14:29	admin
0955992013	ANDREW	175.0	11/08/1973	50	Male	Asian	02/22/2023 11:32:37	10/17/2021 17:24	admin
20201110	Moose	178.0	08/05/1997	26	Male	Asian	10/06/2022 17:55:42	11/13/2022 22:40	admin
20180502	Bell	152.0	02/29/1968	55	Female	Asian	10/06/2022 09:38:21	10/14/2022 17:30	admin
20200201	Ginger	152.0	05/28/1984	39	Female	Asian	10/06/2022 09:10:05	10/13/2022 17:59	admin
20140902	Kate	163.0	08/08/1988	35	Female	Asian	10/06/2022 09:00:04	10/13/2022 09:11	admin
20170602	Madison	178.0	04/22/1987	36	Female	Asian	10/06/2022 08:44:16	10/13/2022 18:43	admin
20120602	Frank	172.0	12/20/1978	44	Male	Asian	03/09/2022 13:57:49	10/07/2022 17:14	admin
20190604	Zhe	170.0	01/09/1996	27	Male	Asian	12/22/2021 09:37:37	04/11/2022 11:15	admin
<b>20190201</b>	<b>Steven</b>	<b>182.5</b>	<b>05/02/1987</b>	<b>36</b>	<b>Male</b>	<b>Asian</b>	<b>12/07/2021 10:46:00</b>	<b>09/14/2023 09:40</b>	<b>admin</b>



## Software Settings

### General Settings

**charder** Settings

**Software Settings**

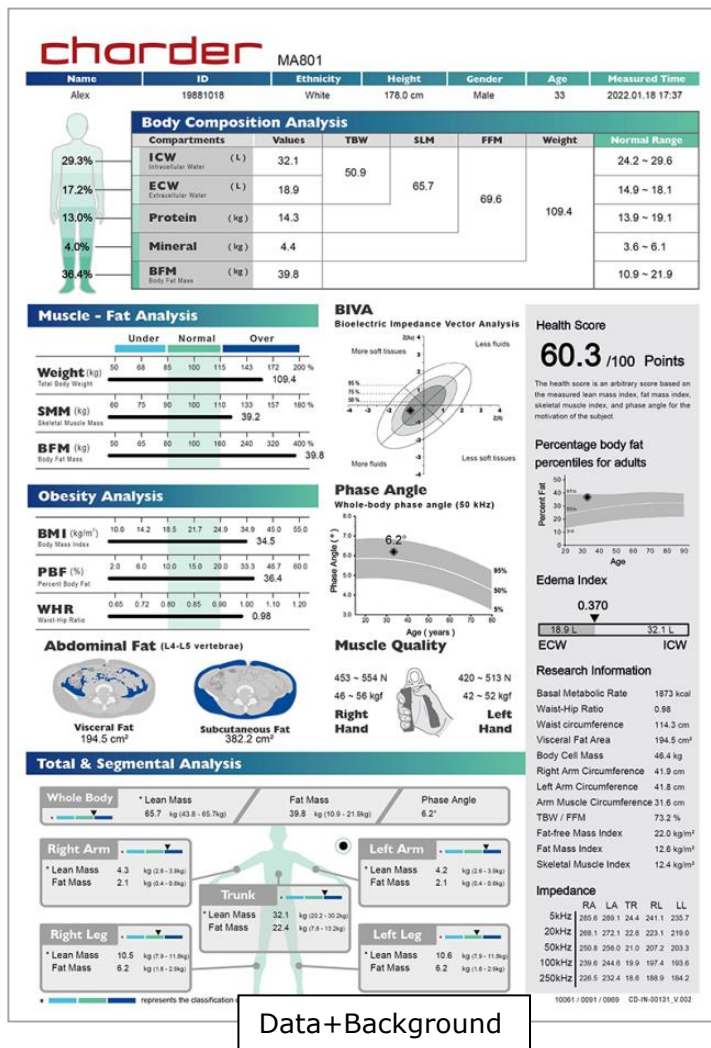
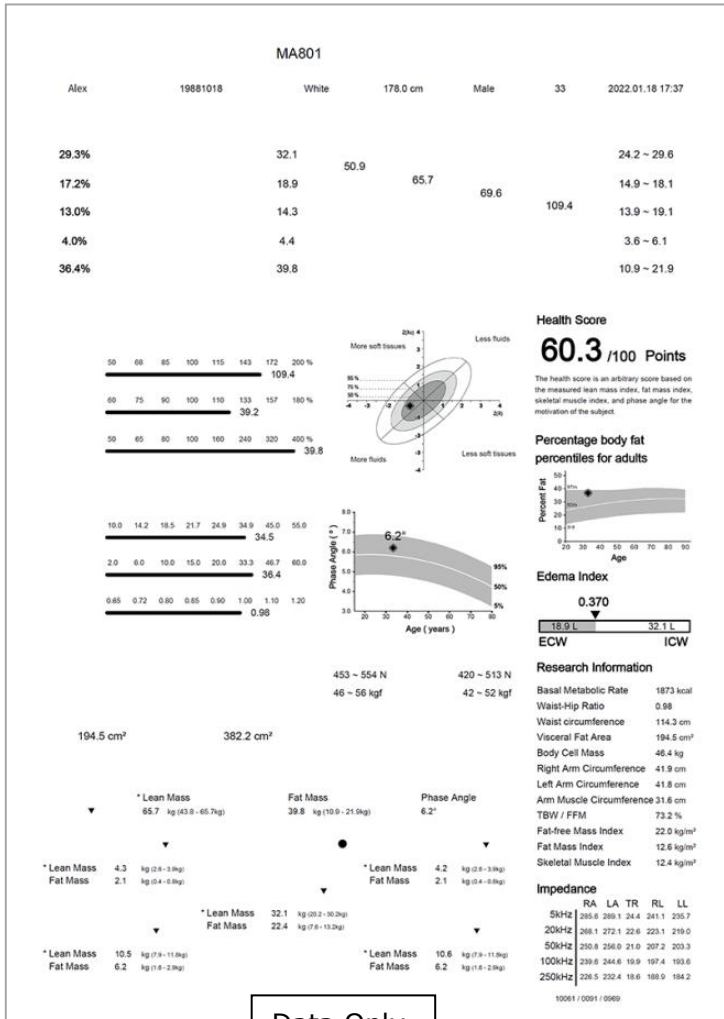
Charder Insight software is designed to make management of user data easier, with additional analysis. This is not a diagnostic software. Results are for reference only, and should be interpreted by qualified professionals only.

General Settings | Result Sheet Custom Logo

- Language**: English
- Unit**:
  - Metric (Weight (kg), Height(cm))
  - Imperial
- Date Format**:
  - 12hr
  - 24hr
  - YYYY/MM/DD
  - MM/DD/YYYY
  - DD/MM/YYYY
- Export PDF Format**:
  - Data Only
  - Data + Background
- Save Files**:  
Default save location : D:\Downloads\Charder Insight

**Annotations:**

- Select software language
- Select measurement unit
- Select date and time format
- Select PDF export format
- Select default save location for files



## Result Sheet Custom Logo

**chorder** Settings

**Software Settings**

Charder Insight software is designed to make management of user data easier, with additional analysis. This is not a diagnostic software. Results are for reference only, and should be interpreted by qualified professionals only.

General Settings **Result Sheet Custom Logo**

■ Company Logo

Text  Image (.jpg, .png, .bmp 1982 x 316 pixels)

Please upload image

Image choose

Search for file

**Browse**

**Delete**

Delete file (return to default)

1982 \* 316

Apply Close

Custom text or image (1982 x 316 px) can be added to the top right of a result sheet by selecting a file from your computer

## Device Settings (PRO)

(to be added later, allowing Software to adjust settings on device)

**chorder** Settings

- Software Settings
- Device Settings**
- Manage Accounts
- Backup Data & Recovery
- Register & Software Update
- About

### Device Settings

Certain settings on device can be set in this section.

**Loading...**

Device Software Version  Same as on Software

Hardware Version

Connected Device :

Serial Number

OS Version :

M3 Version :

Scale Version :

VB Version :

- Language
- Unit
  - Metric
  - ImperialWeight (kg) , Height(cm)
- Date Format
  - 12hr
  - 24hr
  - YYYY/MM/DD
  - MM/DD/YYYY
  - DD/MM/YYYY
- BMI Standard
  - WHO
  - Asian
  - Taiwan
  - ChinaStandard Range 18.5 ~ 24.9kg/m<sup>2</sup>

## Manage Accounts

The screenshot shows the 'chorder Settings' window. On the left is a sidebar menu with options: Software Settings, Device Settings, Manage Accounts (highlighted), Backup Data & Recovery, Register & Software Update, Import Subject & Data Export, and About. The main area is titled 'Manage Accounts' with a note: 'Accounts should be managed by qualified administrators only.' Below this are three buttons: 'Add New', 'Modify', and 'Delete'. A table lists accounts with columns 'Dr.name', 'Permissions', and 'Account'. The 'admin' row is highlighted. At the bottom are 'Apply' and 'Close' buttons.

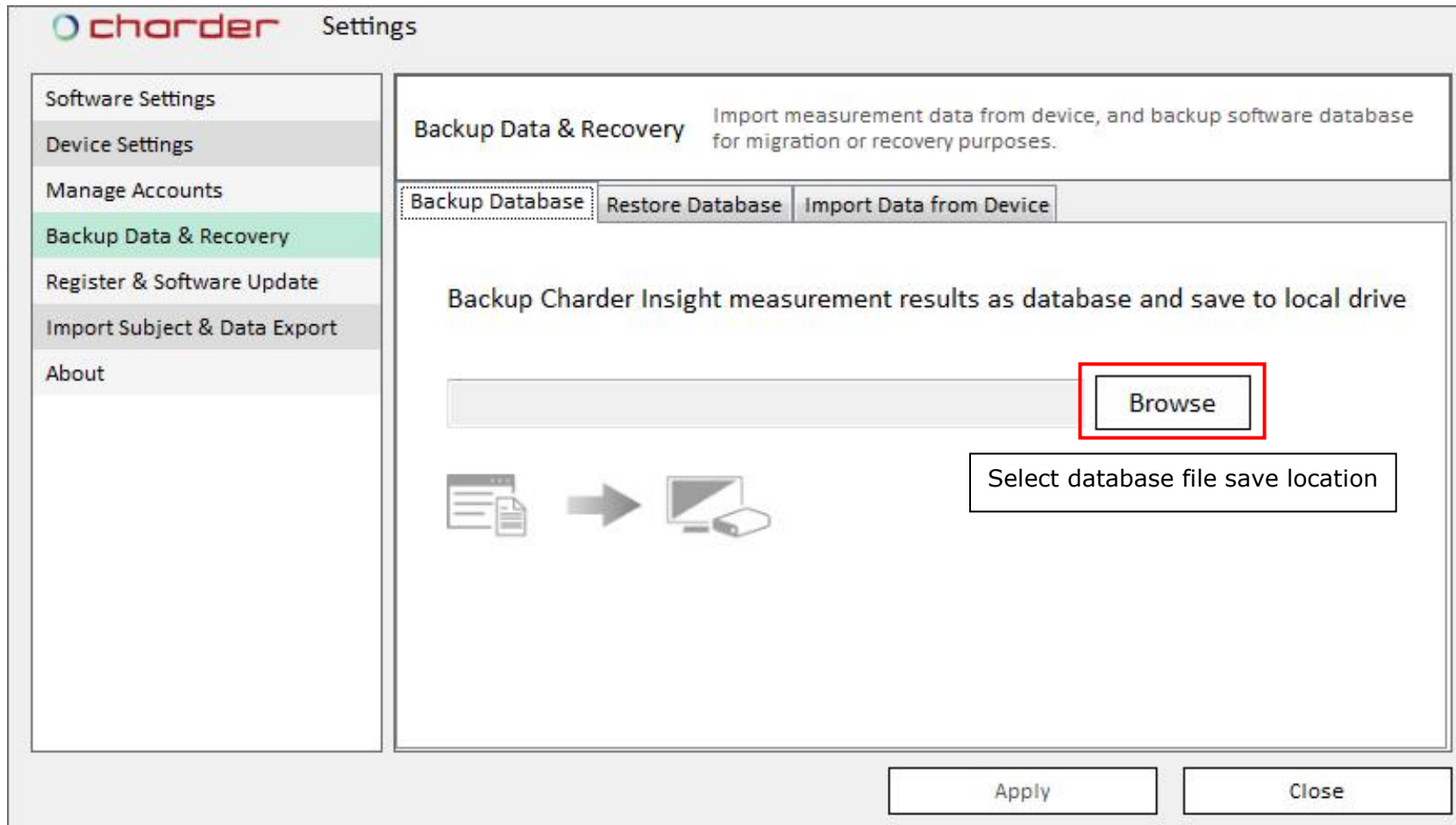
Dr.name	Permissions	Account
admin	Distributor	admin
Engineer	Distributor	engineer
Backup Admin	Distributor	admin2
Guest	Guest	guest
Manufacturer	Administrator	Manufacturer

Additional users can be added/modified deleted. Different permission levels can do different tasks using the Insight software. (ex: lower permissions may only be able to conduct measurement, but not view results)

## Backup Data & Recovery

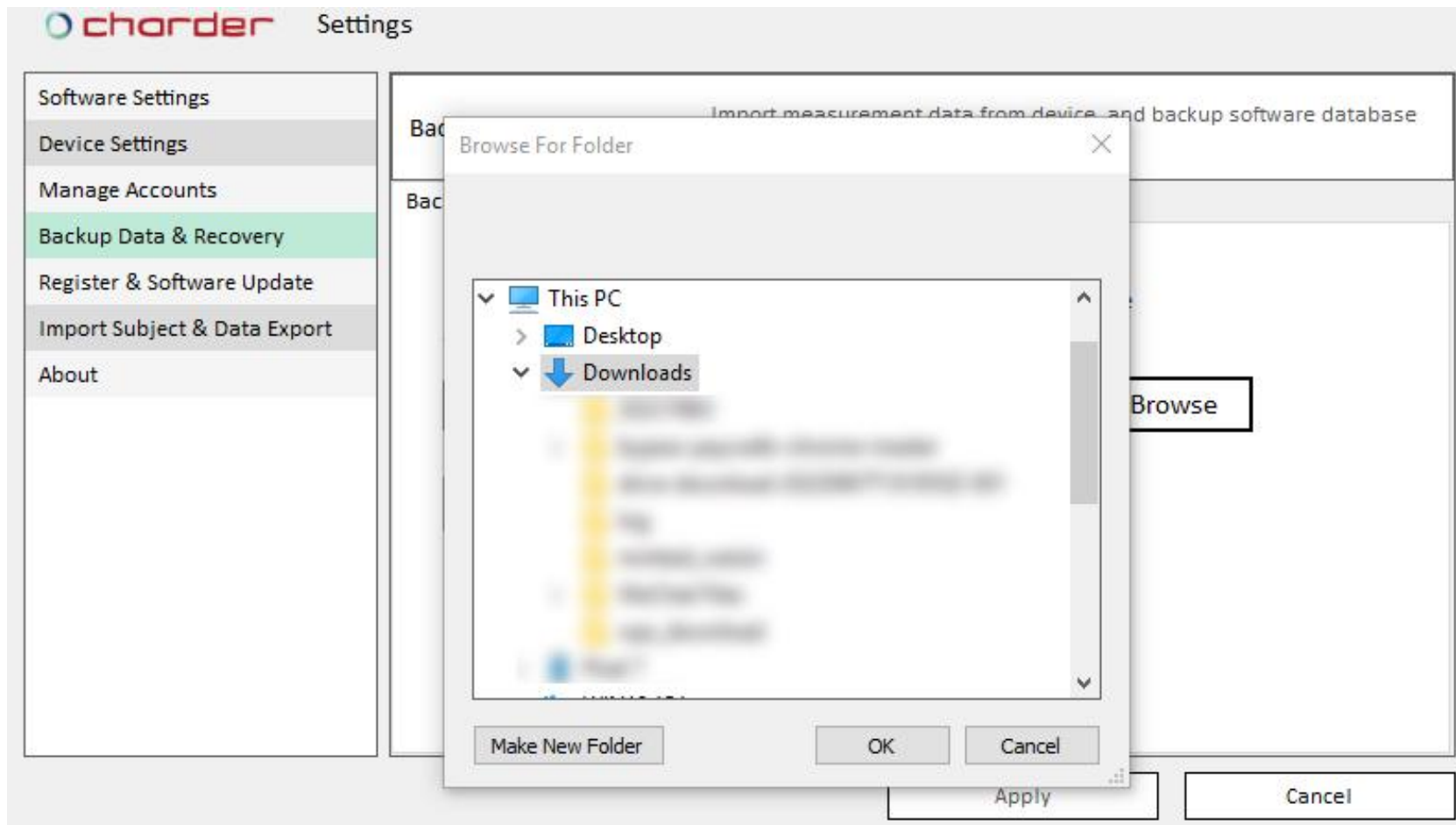
### Backup Database (PRO)

Users and measurement results can be exported as database file for backup or migration. This function should be used if you are migrating Charder Insight from one PC to another PC.



Select database file save location ("Downloads" used as example). File will be saved as a ".sql" database file, with the filename of today's date.

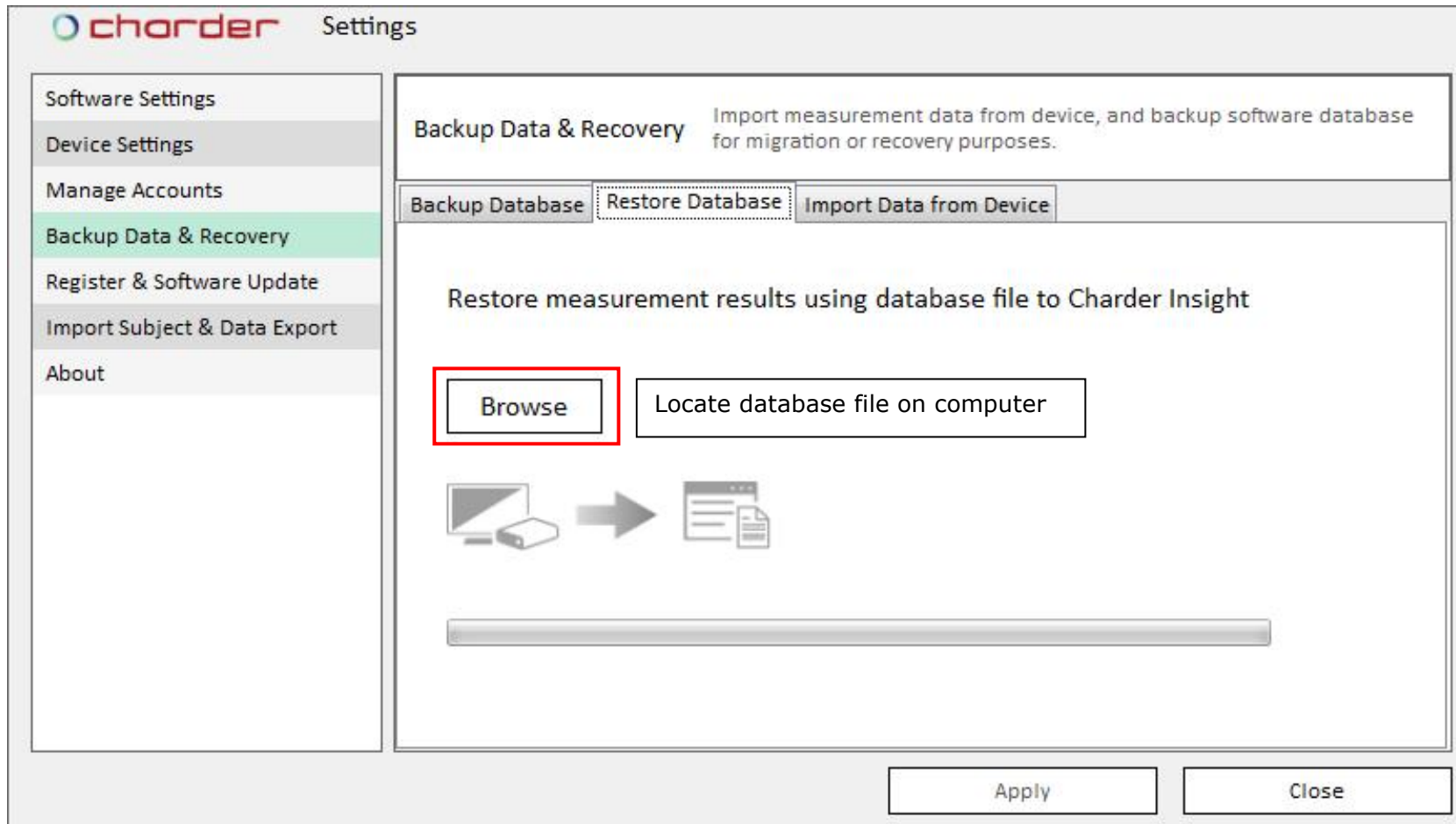
(ex: a file saved on 26 May 2023 will be "file2023-05-26.sql")



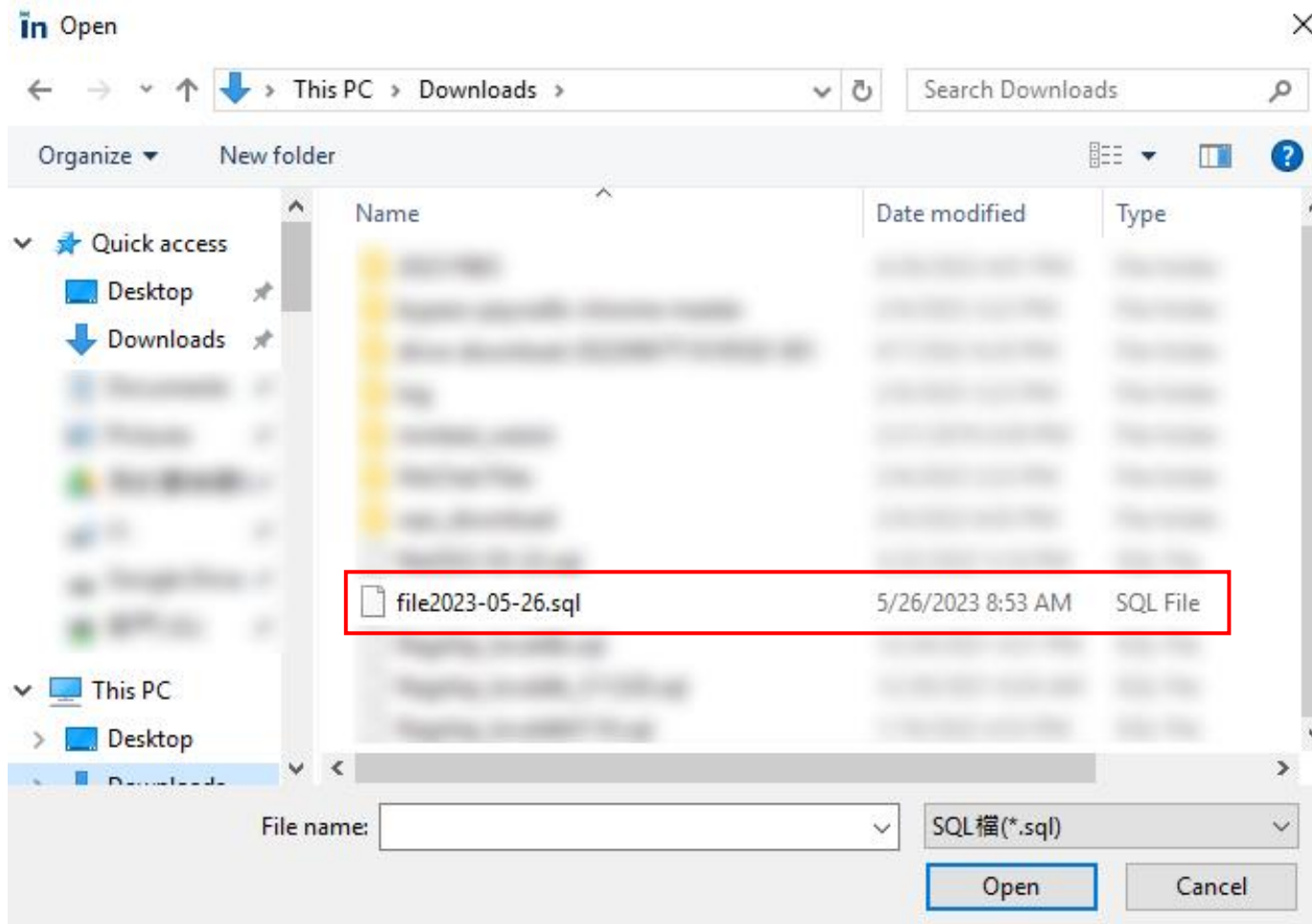


## Restore Database (PRO)

Import database file into software. This function allows you to import a Charder Insight database file exported from another PC for migration.



Locate and select the .sql database file to import.



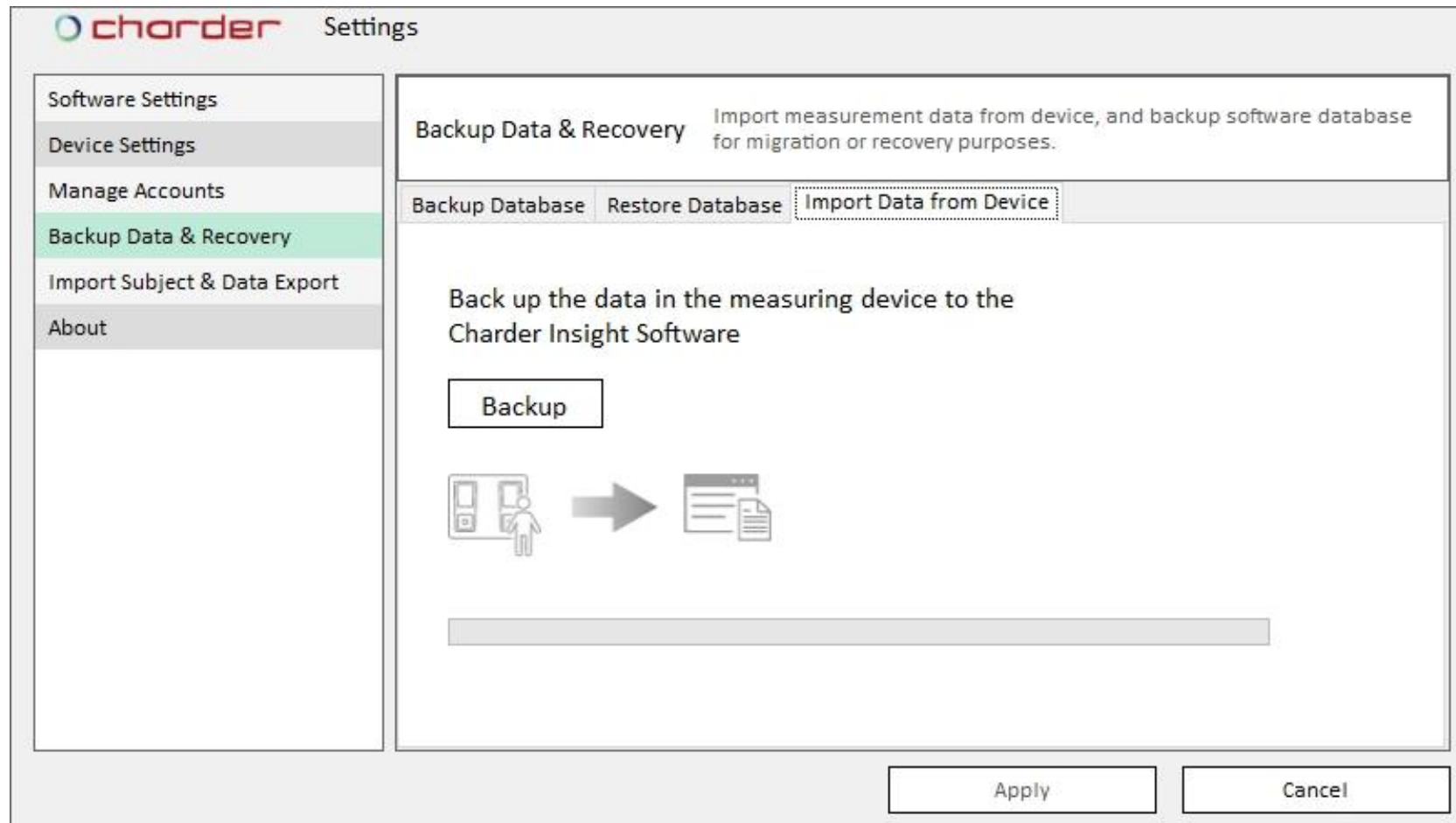
Database successfully imported!

(**WARNING:** this is a complete database replacement. Any existing measurements will be overwritten!)

The screenshot shows the Chorder Settings dialog box. On the left is a sidebar with menu items: Software Settings, Device Settings, Manage Accounts, Backup Data & Recovery (highlighted), Register & Software Update, Import Subject & Data Export, and About. The main area is titled 'Backup Data & Recovery' with a subtitle: 'Import measurement data from device, and backup software database for migration or recovery purposes.' Below this are three sub-tabs: 'Backup Database', 'Restore Database', and 'Import Data from Device' (selected). The content area displays the instruction 'Restore measurement results using database file to Chorder Insight' and a 'Browse' button. An icon shows a computer and a document with an arrow pointing from the computer to the document. A green progress bar is at 100%. Below the bar, the file path 'D:\Downloads\file2023-05-26.sql' is shown next to a blue checkmark and the text 'Successfully transmitted!'. At the bottom right are 'Apply' and 'Cancel' buttons.

## Import Data from Device

Batch import measurement results from device



**NOTE:** Device must be on home screen, and data transfer should be turned ON

## Import Subject & Data Export (PRO) (Advanced users only)

### Subject Import

The screenshot shows the 'charder Settings' window. On the left is a sidebar menu with the following items: Software Settings, Device Settings, Manage Accounts, Backup Data & Recovery, Import Subject & Data Export (highlighted in green), and About. The main content area is titled 'Import Subject & Data Export Automatic subject import and export settings'. It contains several settings:

- A checkbox labeled 'Enable automatic import of subject information' is currently unchecked and is highlighted with a red square. A callout box with the text 'Select to enable option' points to this checkbox.
- 'Subject information file location' is set to 'C:\Charder Insight\ServerSetup' with a 'Browse' button.
- 'File format' is set to 'XML' in a dropdown menu.
- 'Import check frequency (seconds)' is set to '60' in a dropdown menu.
- 'Automatic backup file location' is set to 'C:\Users\20190201\Desktop' with a 'Browse' button.

At the bottom of the window are 'Apply' and 'Cancel' buttons.

Setup automatic subject import from specified folder using XML file, and location for results to be automatically saved to after measurement.

## Data Export

The screenshot shows the 'chorder Settings' window. On the left is a sidebar with menu items: Software Settings, Device Settings, Manage Accounts, Backup Data & Recovery, Import Subject & Data Export (highlighted), and About. The main area is titled 'Import Subject & Data Export Automatic subject import and export settings'. It contains a 'Data Export' tab, a checkbox labeled 'Enable automatic export of measurement data' (highlighted with a red box), and a text field 'Automatically export measurement data to' containing 'C:\Users\20190201\Desktop' with a 'Browse' button. At the bottom are 'Apply' and 'Cancel' buttons. A callout box points to the checkbox with the text 'Select to enable option'.

chorder Settings

Software Settings

Device Settings

Manage Accounts

Backup Data & Recovery

Import Subject & Data Export

About

Import Subject & Data Export Automatic subject import and export settings

Data Export

Enable automatic export of measurement data

Automatically export measurement data to

C:\Users\20190201\Desktop

Browse

Apply

Cancel

Select to enable option

## IX. Product Specifications

### A. Functions

<b>User Management</b>	Search, Add New, Modify, Delete User
<b>Body Composition Data Management</b>	<ul style="list-style-type: none"> <li>● View and delete body composition measurement results (individual and history)</li> <li>● Import results from device</li> </ul>
<b>Other Functions</b>	<ul style="list-style-type: none"> <li>● Export result as PDF</li> </ul> <p><b>Professional version only</b></p> <ul style="list-style-type: none"> <li>● Export result as CSV</li> <li>● Data sharing (on same network)</li> <li>● Data backup &amp; restore</li> <li>● Batch import user profile</li> </ul>
<b>Result Sheets</b>	Standard Charder Result Sheet Medical Charder Result Sheet Child Charder Result Sheet

### B. System Requirements

<b>Operating System</b>	Microsoft Windows 10 64bit, Windows 11 64bit
<b>Storage Space</b>	Minimum 1GB hard drive space for software
<b>Memory</b>	Minimum 1GB RAM
<b>Resolution</b>	Minimum 1280 x 720



## X. Revision History

### **v1.1.44:**

- Receive CSV from device for PDF creation

### **v1.1.45**

- Add: support for Japanese language
- Add: Appendicular Skeletal Muscle Index (ASMI)
- Improved data transfer speed from device after measurement
- Various fixes and improvements

### **v1.1.46**

- Add: Result Sheet logo insert function
- Various fixes and improvements

### **v1.1.47**

- Improved database search speed/reliability

### **v1.1.50**

- Add: support for Athlete Mode
- Add: support for MA801 Medical Result Sheet Segmental Phase Angle
- Database import bug fixes