

BIOSENCY

Boraconnect®

Web platform & mobile application
for healthcare professionals

User manual



Bora connect® version 2.8.3
Bora-connect_IFU_2.8.3 - June 2023

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Introduction

About this user manual

This manual is a user guide for the Bora connect® platform and mobile application intended to be used by healthcare professionals.

s WARNINGS

INSTRUCTION FOR USE

Please do not use Bora connect® without first reading and understanding all the instructions contained within this manual.

The use of the Bora connect® medical device by customers is conditioned by training in its use by Biosency's teams.

The installation, configuration, and use of Bora connect® do not require specific computer skills.

Please always use Bora connect® in accordance with the instructions contained within this manual. Failure to follow the instructions in this manual may result in malfunctions.

Bora connect® should only be used in combination with the accessories supplied by Biosency: Bora band® standard kit BB-100 (wearable device used for measuring the physiological parameters of patients), Bora connect for Home BC4H, Bora connect for Study BC4S (mobile applications that transfer the data from and to Bora band®).

To ensure safe and optimal use of the device, please carefully read the precautions for use and warnings marked with an s symbol.

Intended use

Bora connect® is a web-based platform for healthcare professionals intended to:

- E Transfer and display device information and physiological parameters that have been transmitted remotely from the patient's device(s). It is intended to support the medical follow-up of patients with respiratory insufficiency.
- E Provide information for monitoring physiological conditions, state of health or illnesses of patients with respiratory insufficiency. Information can include visual notifications for patients who are outside of thresholds previously defined in Bora connect® by the healthcare professional.

Bora connect® is also available as a mobile application.

Bora connect® is intended to be used in combination with Bora band®.

Bora connect® is intended to be used in combination with one of the following patient's mobile applications: Bora connect mobile (patient's account), Bora connect for Home, Bora connect for Study.

Target population and intended users

Bora connect® is intended to display the physiological parameters of patients suffering from chronic respiratory

disease. The patients are adults with a satisfactory blood supply. Physiological parameters are collected by Bora band®, a wearable device.

Medical staff have access to patient physiological data through to Bora connect®.

The client structure (e.g., home healthcare provider) has access to Bora band® status information (device in use or available for use, battery level, etc.) using Bora connect®.

Contraindications

Warnings

ALARM

Do not use Bora connect® when alarms are required.

CONTINUOUS MONITORING

Do not use Bora connect® for continuous monitoring purposes. Bora connect® is intended to be used in combination with devices that periodically record physiological parameters.

Bora connect® does not trigger an alarm and does not allow for continuous readings.

Bora connect® is not designed to continuously monitor patient vital signs.

Warnings and precautions

Warnings

- E Do not use Bora connect® without first reading and understanding all the instructions contained within this manual.
- E Do not use Bora connect® when alarms are required.
- E Do not use Bora connect® for continuous monitoring purposes.
- E Do not use Bora connect® with accessories other than those supplied by Biosency: Bora band Model BB-100, Bora connect for Home BC4H, Bora connect for Study BC4S.
- E Install only one of these applications at the patient's side: Bora connect mobile, Bora connect for Home or Bora connect for Study. Otherwise, the data collection by Bora connect® could be disrupted.

Precautions

- E Please always use Bora connect® in accordance with the instructions contained within this manual. Failure to follow the instructions in this manual may result in malfunctions.
- E Bora connect® should only be used in combination with the accessories supplied by Biosency.
- E Bora connect® is intended to be used in combination with Bora band®.
- E Information for a safe combination of Bora connect® with Bora band® are available in Bora band® user manual. This must be carried out by a qualified professional
- E To benefit from the latest developments, make sure you are using the latest version of Bora connect® mobile application.
- E To benefit from the latest developments, make sure the patient is using the latest version of Bora connect mobile, Bora connect for Home or Bora connect for Study.
- E It is recommended to carry on a risk analysis of your IT-network with the identification, analysis, evaluation, and control of all risks related to Bora connect® installation and operation.
- E It is important to check all technical prerequisites described in the section [Technical prerequisite](#) and the information related to cybersecurity described in the section [Cybersecurity](#) and necessary for Bora connect® operation in case of any change in your IT-network.
- E If a new risk is detected, please contact the Biosency's support team by the mean described in the section [Support](#).
- E Please store your login information (username and password) securely and remember to secure access to your smartphone with a pin code or biometric recognition. This will prevent an unauthorized and/or malicious third party from accessing your data. Your connection information is strictly personal and must not be transmitted to a third party.

Bora connect® presentation

Bora connect® allows to monitor patient's physiological parameters, to manage visual notification on patient's physiological data, to export patient's physiological data, to launch survey campaign, to manage bora bands fleet and to manage patients, doctors, and home healthcare providers accounts. Depending on your role, you may not be able to manage bora bands fleet, patients, doctors, and home healthcare providers accounts. Please refer to the Bora connect® administrator of your structure.

Bora connect® offers different pages :

- EDashboard** : a list of all the patients of the structure, with a visual indication if an alert condition is reached
- E Patients** : a list of all the patients of the structure, and pre-set filters (favorites, no data for 24 hours, with bora band, no bora band®)
- E Doctors** : a list of all the doctors, and services, linked to the structure
- E Home healthcare providers** : a list of all health actors
- EBora bands** : a list of all Bora band® allocated to the structure
- E Surveys** : a list of all the survey
- E Roles** : a list of all roles, access of Bora connect® pages depends on user role
- E Settings** : your personal data, consult data privacy and bora connect label.

Bora connect® web platform is available at this address : <https://bora-connect.com>.

Bora connect® mobile application is available on Google Play Store and Apple App Store.

Accessories, information for a safe combination

⚠ WARNINGS

COMPATIBLE ACCESSORIES

Do not use bora connect® with accessories other than those supplied by Biosency: Bora band Model BB-100, Bora connect for Home BC4H, Bora connect for Study BC4S.

Bora band®

Bora connect® is intended to be used in combination with Bora band®.

Device	Description
Bora band® standard kit BB-100	Bora band standard kit, wearable device used for measuring the physiological parameters of patients

Information for a safe combination of Bora connect® with Bora band® are available in Bora band® user manual. This must be carried out by a qualified professional.

Patient mobile application

s WARNINGS

PATIENT'S MOBILE APPLICATION

Install only one of these applications at the patient's side: Bora connect mobile, Bora connect for Home or Bora connect for Study. Otherwise, the data collection by Bora connect could be disrupted.

s PRECAUTIONS

VERSION OF BORA CONNECT MOBILE, FOR HOME AND FOR STUDY

To benefit from the latest developments, make sure the patient is using the latest version of Bora connect mobile, Bora connect for Home or Bora connect for Study.

Bora connect® needs a mobile application to be installed at the patient's side: Bora connect® mobile, Bora connect for Home or Bora connect for Study. Only one of these applications shall be installed at the patient's side. This must be carried out by a qualified professional.

Device	Description
BC4H	Bora connect for Home, patient's mobile applications that transfer the data from and to Bora band®
BC4S	Bora connect for Study, patient's mobile applications that transfer the data from and to Bora band®, and collect answer to survey
BC mobile (patient account)	Bora connect mobile for patient, patient's mobile applications that transfer the data from and to Bora band®, allows the patient to consult their data, and collect answer to survey

Information for a safe combination of Bora band® with the mobile applications are available in Bora band® user manual.

Bora connect® identification

Bora connect® version is displayed at the bottom left of the application, it is preceded by the word «version». Boraconnect® Unique Device Identifier is displayed on the “Settings” page, it is preceded by the symbol **UDI** .

Bora connect® installation

5 PRECAUTIONS

IT NETWORK

The execution of Bora connect® on your IT-network could result in previously unidentified risks to patients, users or third parties. Therefore, a risk analysis of your IT-network is recommended with the identification, analysis, evaluation and control of all risks related to Bora connect® installation and operation. In addition, it is important to check all technical prerequisites described in the section [Technical prerequisite](#) and the information related to cybersecurity described in the section [Cyber-security](#) and necessary for Bora connect® operation in case of any change in your IT-network. If a new risk is detected, please contact the Biosency's support team by the mean described in the section [Support](#).

Bora connect® platform is a web-based platform, bora connect® is not installed on your computer. Bora connect® web platform is available at this address: <https://bora-connect.com>.

Bora connect mobile application can be installed in the same way as any other mobile applications, depending on how your mobile phone works. Bora connect mobile application is available on Google Play Store and Apple App Store.

Technical prerequisites

Bora connect web

- Processor: 1.4 GHz
- RAM: 2 Go
- Browsers: current major version of Chrome or Safari
- Resolution: min. 1920*1080
- Internet connection with access to <https://bora-connect.com>

Bora connect mobile application

- Processor: 1.4 GHz
- RAM: 2 Go
- Bluetooth®: 4.2 (Bluetooth Low Energy)
- OS: Android version N-5 (or iOS version N-3) where N is the last version
- Networks: Wifi with web access or 3G or 4G or 5G
- Resolution: 360 x 640 pixels

Bora connect® onboarding



In the next part, we will assist you to onboard with Bora connect®:

- E You will log in Bora connect® for the first time
- E You will set a patient in remote monitoring
- E You will consult patient measurements graphs

1 How to log in Bora connect® for the first time?

5 PRECAUTIONS

BORA CONNECT IDENTIFIERS

Please store your login information (username and password) securely and also remember to secure access to your smartphone with a pin code or biometric recognition. This will prevent an unauthorized and/or malicious third party from accessing your data. Your connection information is strictly personal and must not be transmitted to a third party.

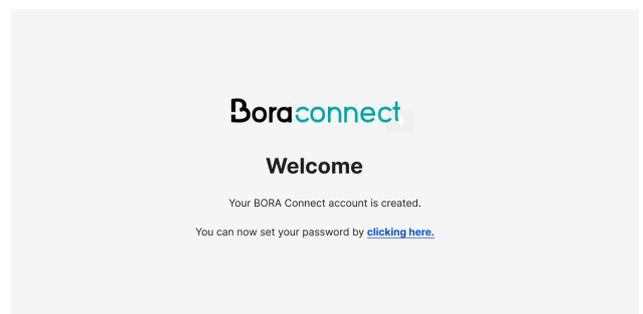
1 Once your Bora connect® account has been created by your administrator, you will receive a verification email.

Remember to check your spam.

Click on the link in the email to define your account password.

Your password must be at least 8 characters in length, contain at least 3 of the following 4 types of characters:

1. Lower case (a-z)
2. Upper case (A-Z)
3. Numbers (i.e. 0-9)
4. Special characters (e.g. !@#\$\$%^&*)

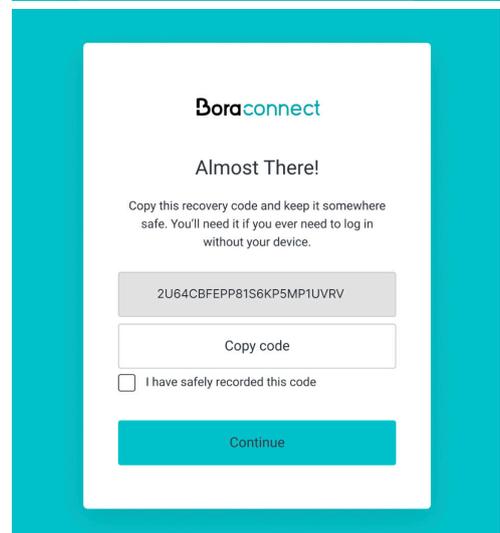
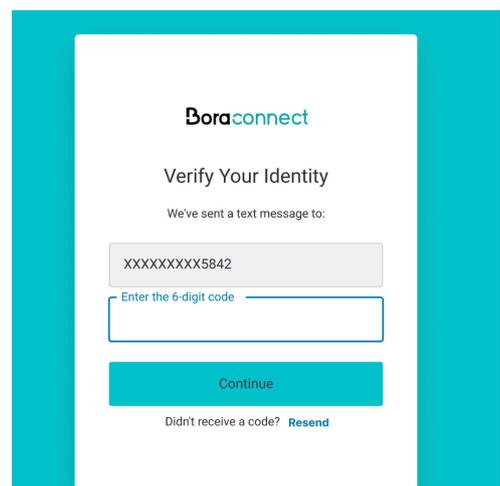
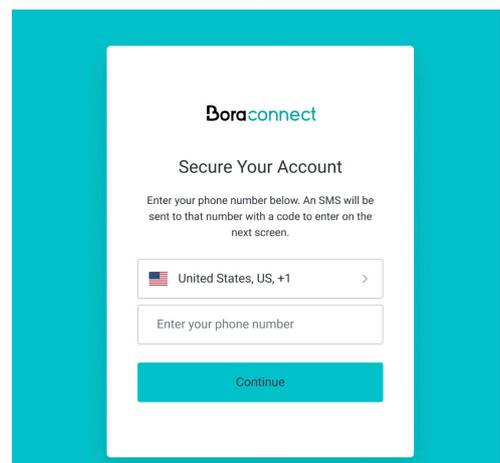
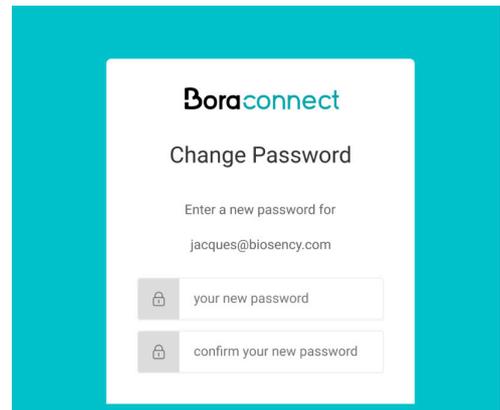


2 After defining your password, you will be redirected to the login page.
Enter your login (which is your email address), your newly defined password and validate.

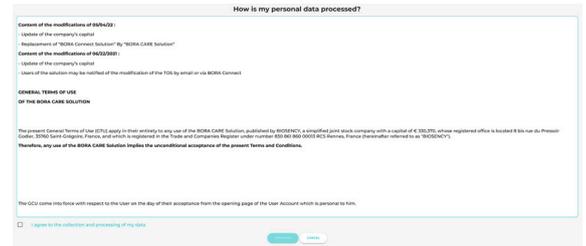
3 During your first connection, you will need to enter a mobile phone number to enable MFA (multifactor authentication).
Select your country code and enter your mobile phone number. You will immediately receive a SMS containing a one-time use code.

4 Enter the one-time use code received by SMS.
The multifactor authentication will be required at least once per week unless you voluntary disconnect from Bora connect®.

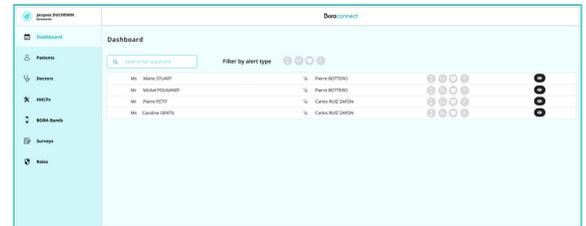
5 If this is your first connection , you will get a recovery code on the platform that you can use in case you need to login without your phone device. This recovery code can be used only once. Please store this recovery code in a safe place.



6 Last step, you are required to consent to the processing of your personal data on Bora connect® platform.



7 Congratulations, you are now logged into the Bora connect® platform.



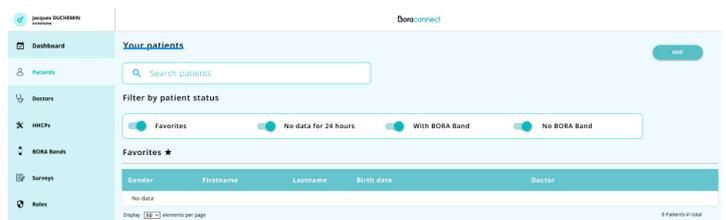
Head to the second part of the user manual to get details on each menu. The next section will guide you on how to start the remote monitoring for a patient.

2 Patient remote monitoring

To enable patient remote monitoring, start by creating the patient account. Remote monitoring allows you to get visual notifications when a patient vital sign reach a specific limit that you have configured.

How to start a new patient' session?

1 In the patients menu, click on the "Add" button.



2 Fill the patient information to create the account. The patient will receive a verification email and will be able to setup his account. The account process for the patient is identical to yours. Click on the **ADD** button. The patient will immediately receive a verification email.



3 When your patient has been created, next to his name in the patient list, click on the  button to start remote monitoring.

Doctor			
Pierre BOTTERO			
Gregory KEYES			

4 Select the monitoring device which will be equipped on the patient and click on the “Next” button.

Disconnect

← BACK Assign a BORA Band to Catherine CG-FLG

Stage 1/3
Choose a sensor to assign

Model	Serial number
BB-300	BB3A0C
BB-300	BB3A0A
BB-300	BB3ACZ
BB-300	BB3AFG
BB-300	BB3AZA

Display elements per page

Previous page 1 Next page

5 elements in total

5 Configure alerts on patient’s measurements you would like to monitor.

Note that by default alerts are disabled, you have to manually activate alerts that you want to see in the dashboard.

Enable alerts and customize them according to your needs (e.g alerts settings).

← BACK Assign a BORA Band to Catherine CG-FLG

Disconnect

Stage 2/3
Configure alerts for the session

Pulse rate (normal range: 60-100 bpm) Heart rate (normal range: 60-100 bpm) Oxygen saturation (normal range: 95-100%)

SpO2 saturation Heart rate Respiratory rate

6 Verify the selected device and the alerts configuration and confirm to start patient remote monitoring.

Disconnect

← BACK Assign a BORA Band to Catherine CG-FLG

Stage 3/3
Summary

Wristband to be assigned: BB-300 BB3AFG

Patient to equip: Catherine CG-FLG

2 configured alerts:

- Oxygen saturation
- Heart rate

Add a session start comment:

7 Note that you can modify patient’s alerts afterward in the «Alerts Setup» section of the patient details page.

 Patient informations
 Alerts configuration
 Alerts and comments history
 Measures

How to customize an alert?

There are 2 types of alerts available :

- 1. **Technical alerts** that cannot be customized, related to the wearing of the bracelet, the number of measurements taken and the data transmission.
- 2. **Clinical alerts** related to respiratory rate, heart rate and oxygen level that can be customized (possibility to combine several alerts and to configure them with a threshold trigger based on a fixed limit or on the evolution of the patient's baseline).

Technical alerts

Last connection more than 48h ago

If the device did not connect with Bora connect® in the last 48h ago, this alert will be raised

Number of measurements less than 30 over past 48 hours

If the number of one vital sign is less than 30 over past 48h, this alert will be raised

Wearing the wristband less than 60% of the time

If the wristband was used less than 60% of the time, this alert will be raised

Clinical alerts

You can either customize an already existent alert or create a new one.

Oxygen saturation 

+ CREATE AN ALERT

To customize a clinical alert, click on the  button.

To create a new alert click on this button.

Name the alert	→	Alert name : Oxygen saturation
Choose the vital sign	→	List of conditions
Choose the threshold for triggering the alert	→	Oxygen saturation ≤ 92 %  
Add a new condition	→	<input type="button" value="NEW CONDITION"/>

When you click on the button “new condition”, you will have to choose which type of condition you wish to add:



CANCEL ADD A NEW CONDITION



A condition based on one or two fixed terminal (s) (ex: Alert raised when saturation is below 95%).

Note that the median is calculated over 48 hours.

A condition based on one or two terminal(s) calculated on a variation from the patient’s baseline (ex: Alert raised when HR has a variation of 20% compared to the baseline).

Note that the median is calculated over 48 hours and the baseline is calculated as the median over the last 15 days.

Note that in case several conditions are created in the same alert, it is possible to choose to trigger the alert if all conditions are met or only if one of the conditions is met.

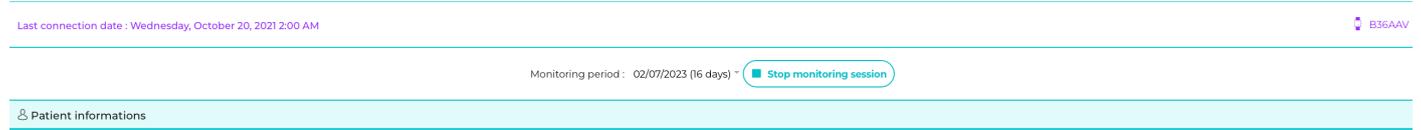
In this example, the alert will be raised if oxygen saturation is inferior or equals 92% **OR** respiratory rate is superior or equals 30 cpm.

The screenshot shows the 'List of conditions' interface with the following elements:

- Condition 1: Oxygen saturation ≤ 92 %
- Condition 2: Respiratory rate ≥ 30 cpm
- A red arrow points to the 'NEW CONDITION' button.
- Below the conditions, it says 'The alert will be activated if:'
- Two radio button options:
 - One of these conditions is met
 - All these conditions are met

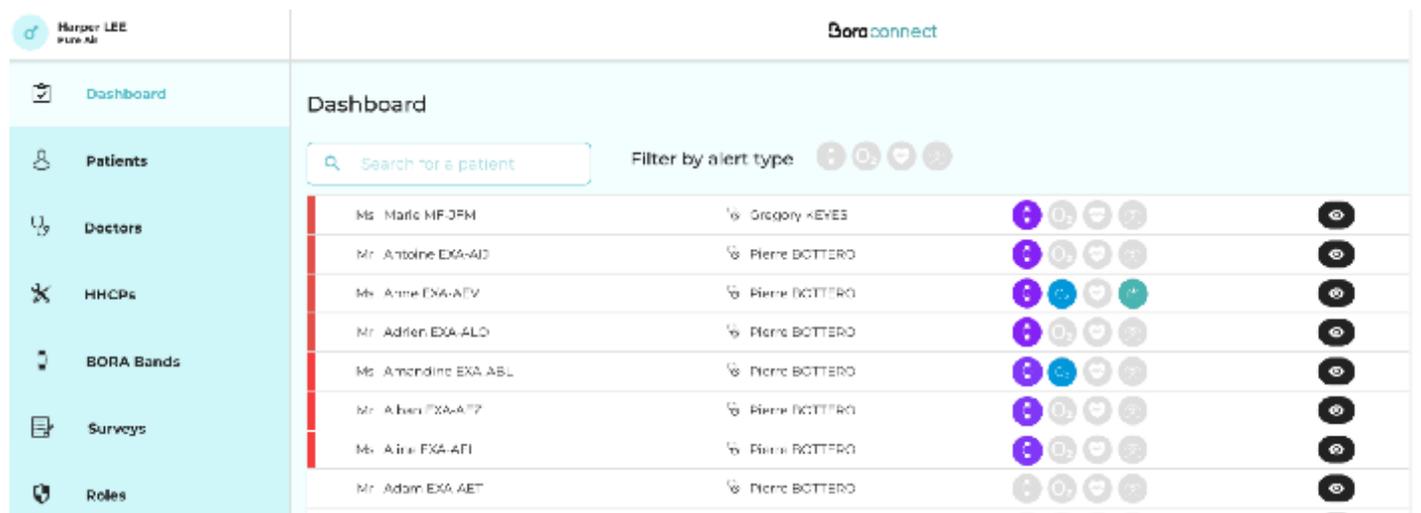
How to stop a patient monitoring session?

To stop patient remote monitoring, simply click on the  button.



How to visualize the alerts?

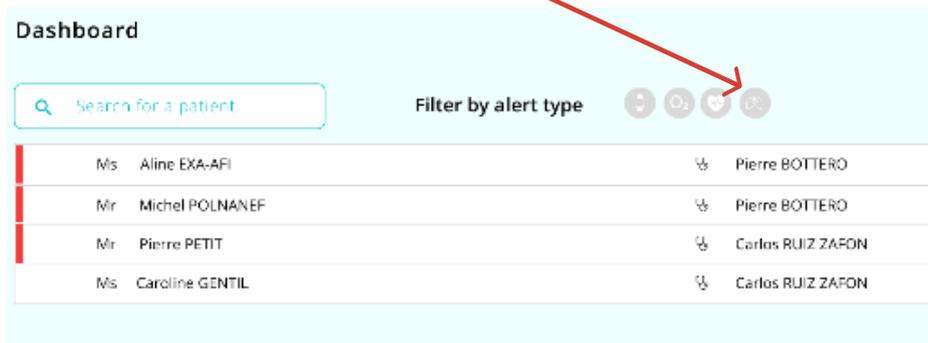
Head to the Dashboard menu to check for patient alerts. Patients whose features have triggered an alert are signaled with a red indicator at the top of the dashboard.



Depending on the parameters involved, the alert symbol enabled differs :

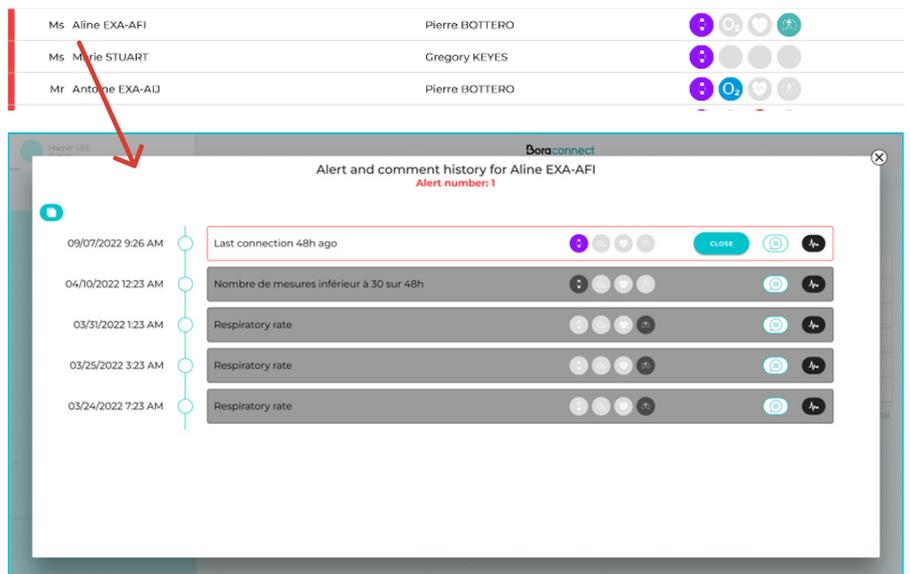
	Alert is related to a technical problem : wearing the bracelet < 60% of the time, low data feedback (>30 over 48h sliding), no connection for 48h
	Alert is related to the patient's oxygen level
	Alert is related to the patient's heart rate
	Alert is related to the patient's respiratory rate

It is possible to filter by type of alert to see only those that interest you.

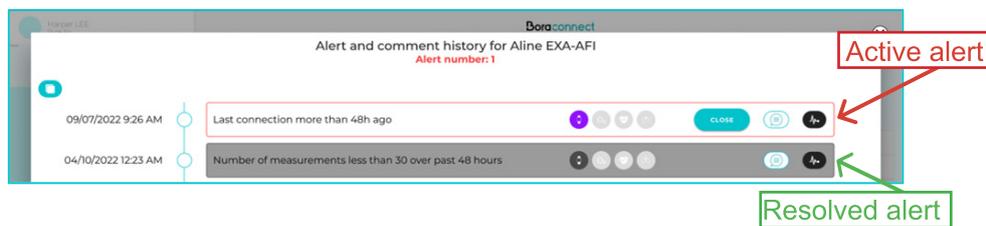


How to resolve an alert?

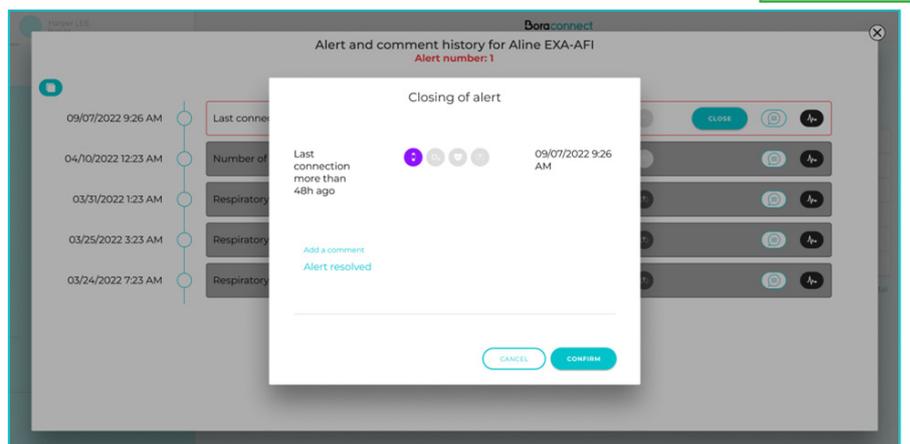
1 Click on a patient for whom an alert is raised. You will see the patient's alert history and comments written by other health actors to help you get a tracking history of actions.



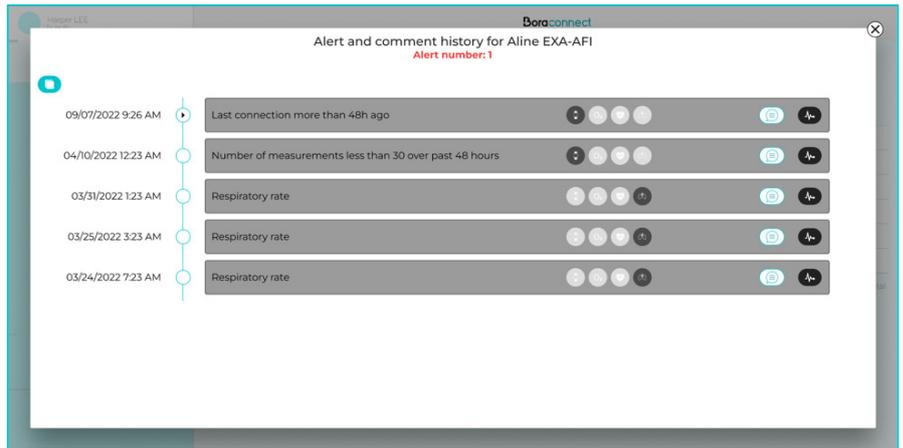
2 Active alerts are red colored and resolved alert are greyed out



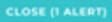
3 Click on the **CLOSE** button (adding a comment is mandatory) then click on the **CONFIRM** button to close the alert.

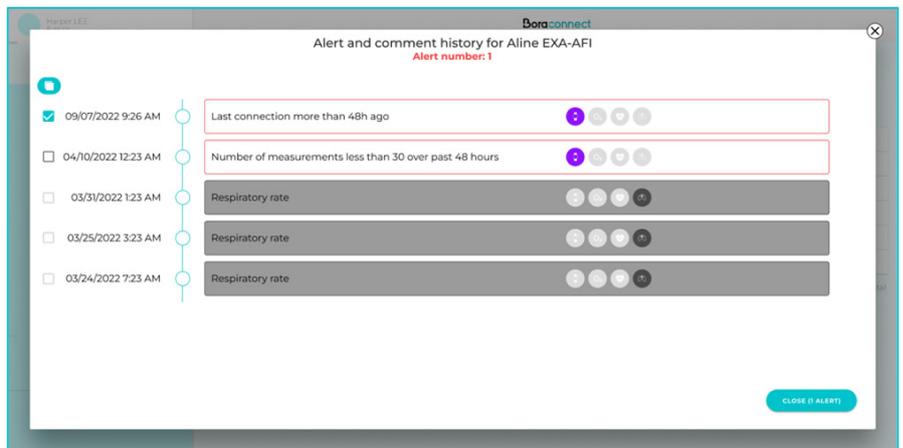


4 The alert has been closed and is now grayed out.



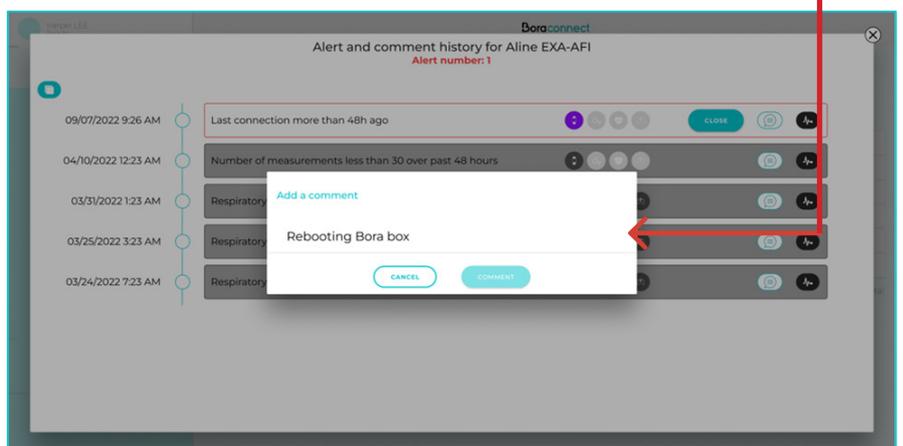
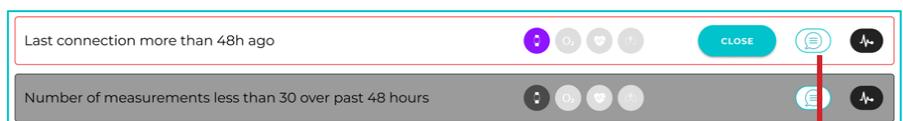
Note: You can close multiple alerts at the same time with the  button at the top left.

Tick the alerts you wish to close and click on the  button.

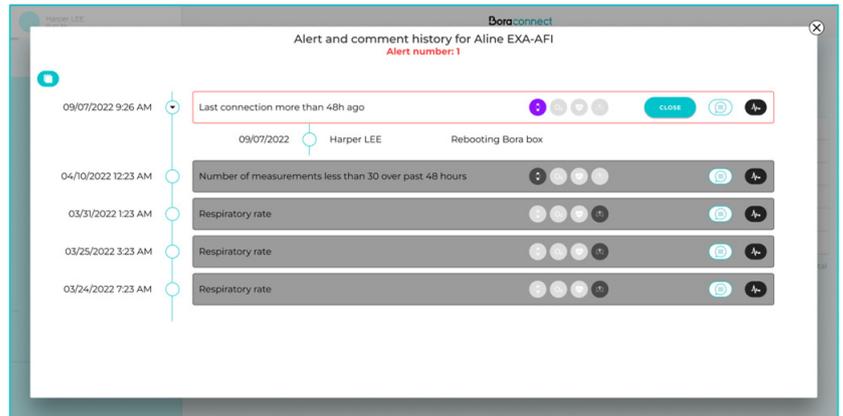


How to comment an alert / follow up a patient history?

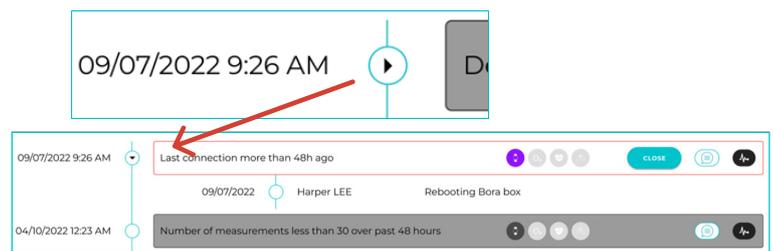
1 Click on the  button to add a comment on an alert.



2 Your comment will appear under the alert.



3 Click on the play button to display the comments.



How to visualize the clinical data related to the alert?

Click on the ECG button to view the patient data related to the alert.



How to disinfect a wristband Bora band®?

When ending a remote monitoring session, the Bora band® used during the session will automatically be set to the “To disinfect” status.

1 Select the Bora band® to disinfect in the list.

The screenshot shows a table of Bora bands with columns for Model, Serial number, and name. Below the table is a 'To disinfect' section with a table of bands. A red arrow points to the selection button for the band with serial number B31ABF. Below that is an 'In maintenance' section which is currently empty. At the bottom right, a 'CURRENT SELECTION' box shows '3 BORA Band(s) selected' and an 'UPDATE' button. Another red arrow points to the 'UPDATE' button.

2 Click on the button to begin the disinfection process.

The screenshot shows a 'CURRENT SELECTION' box with the text '3 BORA Band(s) selected' and an 'UPDATE' button.

3 In the next screen, confirm that you have executed each step to complete the disinfection. You can optionally add comment.

The screenshot shows a confirmation screen with the title '3 BORA Band(s) selected'. It contains a list of checkboxes for confirming the disinfection steps: 'The BORA Band was disinfected.', 'The BORA Band wristband was replaced.', 'The BORA Band package was checked. It contains a user manual, a quick tutorial, a spare wristband and a charger.', and 'The BORA Band package, spare wristband, charger, user manual and tutorial were checked.'. There is a 'Comment' field and a 'SUBMIT' button.

4 Click on the **SUBMIT** button to confirm the disinfection.

The screenshot shows the same confirmation screen as above, but with all checkboxes checked. A red arrow points to the 'SUBMIT' button.

Once you have disinfected your Bora band®, they are available for the next monitoring session.

This is the end of patient remote monitoring section. In the next part, you will see graph visualization.

3 Patient measurements

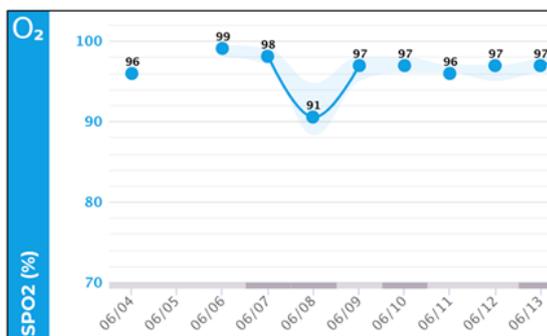
Bora connect® allows you to consult patient measurements. Go to the patient detail page by clicking on the  button.

For a patient equipped with a Bora band®, you will have access to oxygen level, respiratory rate, heart rate, activity duration and number of steps.

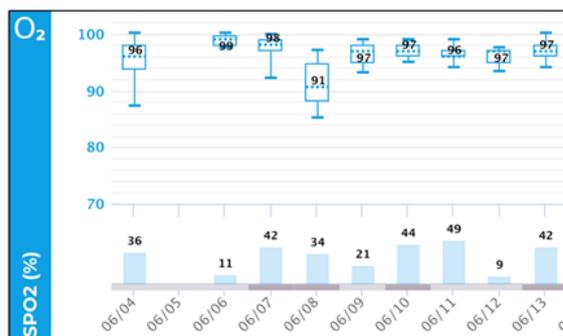
How to set up the Bora connect® interface clinical data?

Bora connect has 2 types of graphs available :

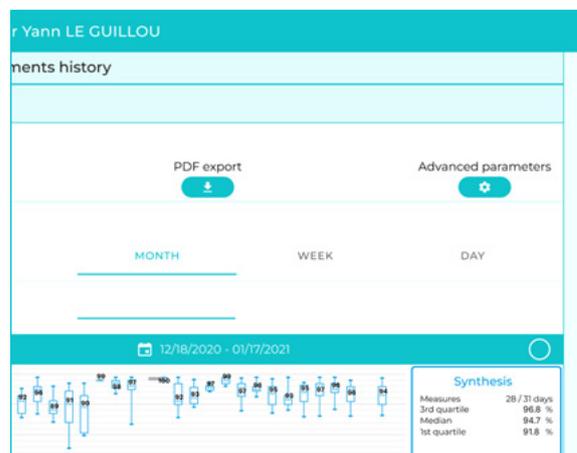
Standard mode



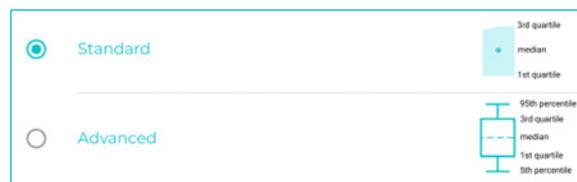
Advanced mode



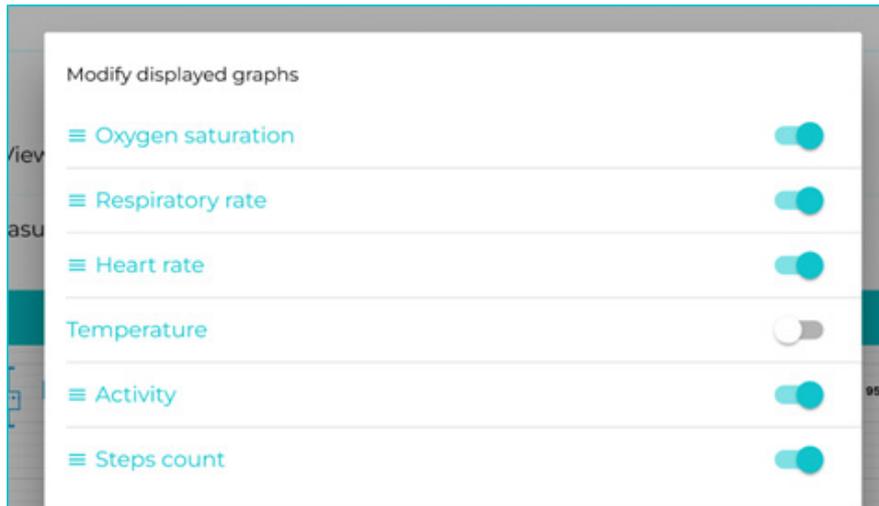
To switch between the different mode, go to graph parameters by clicking on the  button.



Select the preferred mode :



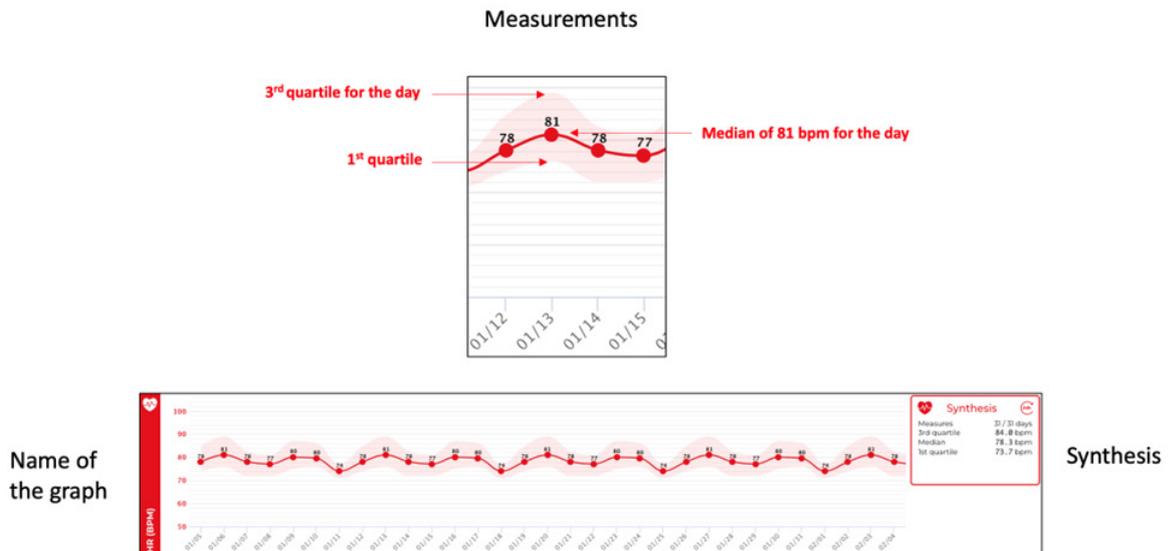
You can modify the order of the graphs display by a simple drag & drop operation in the list below



You can also enable or disable the display of specific graph. Simply click on the  button on the corresponding graph

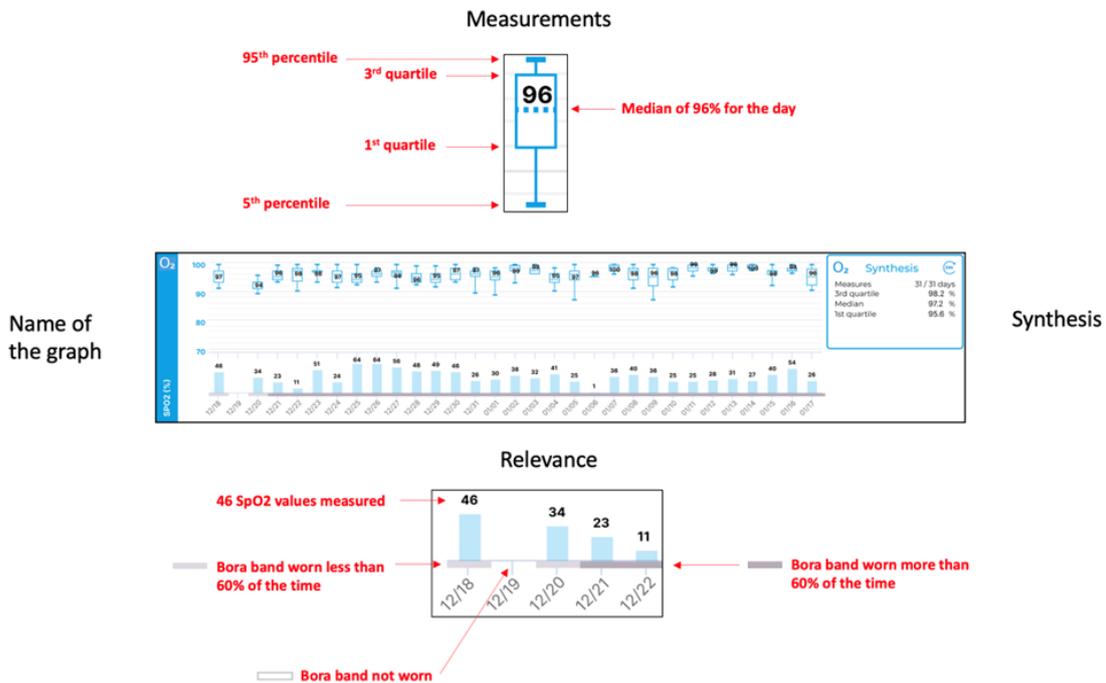
STANDARD MODE

Below is the representation of heart rate of a patient in standard mode.



ADVANCED MODE

Below is the representation of oxygen level of a patient in advanced mode. Measurements are represented with a boxplot.



DISPLAY CONFIGURATION



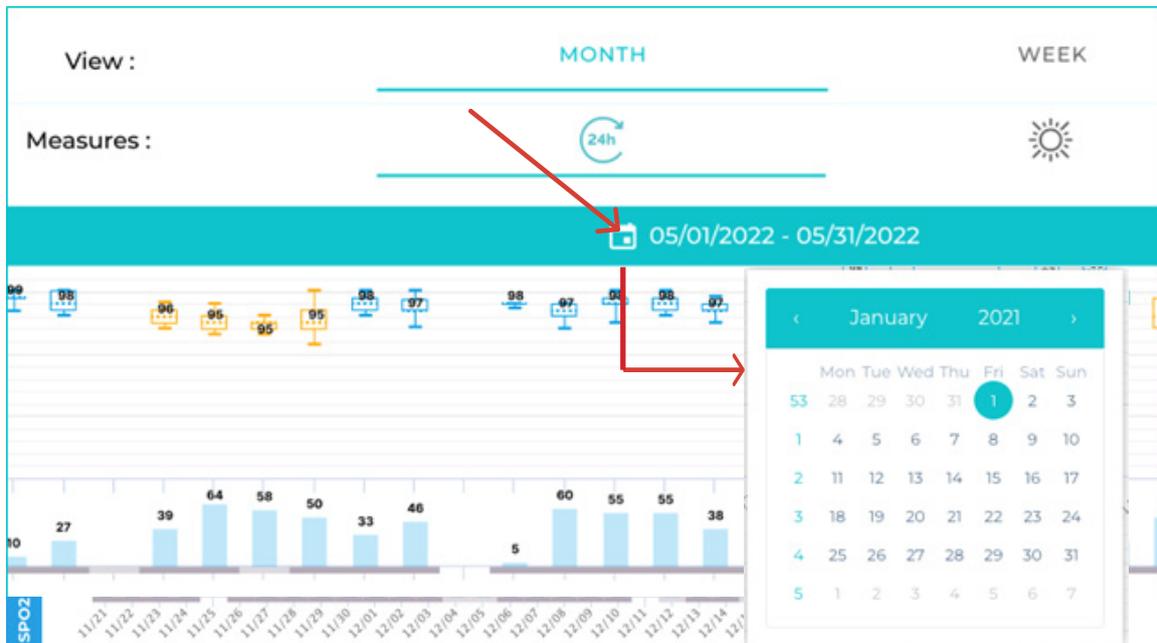
The display menu allows to switch between month, week, or day view.

You can also display only diurnal or nocturnal values to focus specific period of the day.

	Default mode: all values are displayed
	Diurnal mode display measurements taken from 8:00am to 11:00pm
	Nocturnal mode display measurements taken from 11:00pm to 8:00am

GRAPH NAVIGATION

Click on the date picker button to select a period to display



How to export a PDF from the platform?

1 Click on the  button to export measurements.

2 Select the period of measurements you wish to export:

- Complete : to export all patient measurements
- By sessions : select among the different monitoring session of the patient
- By dates : select a start date and an end date

The screenshot shows the 'PDF export' button in the patient's 'Measures' section. A red arrow points from the button to the 'Export health data for Yann LE GUILLOU' screen. The export screen has three options: 'Complete' (selected), 'By sessions', and 'By dates'. The 'By dates' option shows a starting date of '05/29/2020' and an ending date of '01/09/2023'. There is also an 'Anonymize the export?' toggle and a 'SUBMIT' button.

3 You can anonymize the PDF export. Simply click on the button **Anonymize the export ?** Patient's name will be replaced by their initials, age and gender.

You can type a specific comment which will be included in the PDF export.

Export health data for Yann LE GUILLOU

Select the period to export

Complete

By sessions

By dates

Starting date : 05/29/2020 Ending date : 01/09/2023

Anonymize the export ? The patient's name will be replaced by their initials, age and gender.

Comment

Export of last monitoring session

SUBMIT

4 Click on the **SUBMIT** button to start the PDF export.

After a short while, you will receive a PDF export in your mailbox. Below is a sample PDF export :

Export health data for Yann LE GUILLOU

Select the period to export

Complete

By sessions

By dates

Starting date : 05/29/2020 Ending date : 01/09/2023

Anonymize the export ? The patient's name will be replaced by their initials, age and gender.

Comment

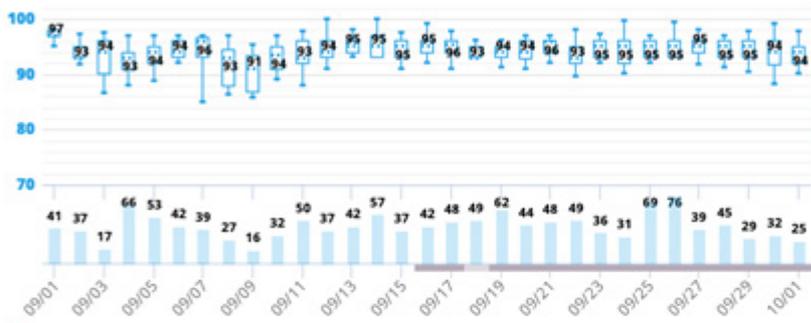
Export of last monitoring session

SUBMIT

Patient GN - 36 years old - F

9/1/21-10/1/21

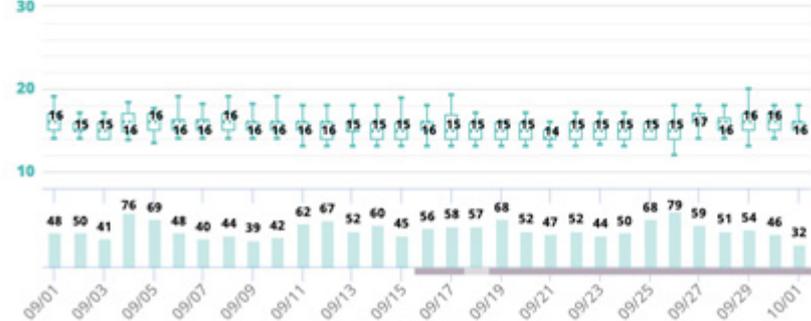
O₂



O₂ Synthesis 🔄

Measures	31 / 31 days
3rd quartile	95.7 %
Median	94.3 %
1st quartile	92.5 %

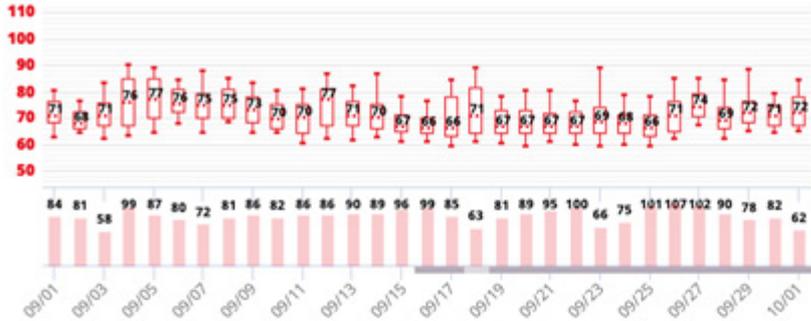
SPO2 (%)



Synthesis 🔄

Measures	31 / 31 days
3rd quartile	16.3 cpm
Median	15.5 cpm
1st quartile	14.6 cpm

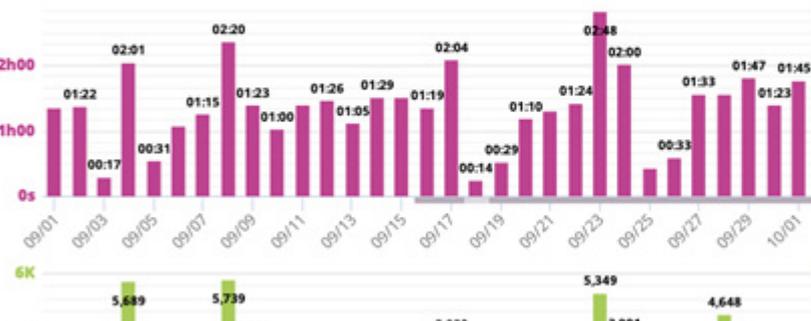
RR (CPM)



Synthesis 🔄

Measures	31 / 31 days
3rd quartile	76.1 bpm
Median	70.6 bpm
1st quartile	66.3 bpm

HR (BPM)



Synthesis 🔄

Measures	31 / 31 days
3rd quartile	01:33
Median	01:23
1st quartile	01:04

Act (h)



Synthesis 🔄

Measures	31 / 31 days
3rd quartile	3,820 steps
Median	3,213 steps
1st quartile	2,540 steps

Steps

The PDF export will use your current graph settings for the PDF file. Modify your current display settings to alter the PDF export.

How to create a survey on Bora connect®?

1 You can submit a survey to patients who uses Bora connect® mobile application.

Go to the survey menu to create a survey campaign. Click on the **ADD** button

Name	Type	Starting date	Ending date	Frequency	
VQI1	BPCO-VQI1	Mar 2, 2022	Mar 4, 2022	Weekly	⊗
VQI1	BPCO-VQI1	Mar 2, 2022	Mar 2, 2022	Daily	⊗
Fibrosis patient follow-up	BPCO-VQI1	Feb 4, 2022	Feb 4, 2022	Every two days	⊗
Fibrosis patient follow-up	Direct	Feb 4, 2022	Feb 4, 2022	Monthly	⊗
Dr Le Guillou VQI1	BPCO-VQI1	Sep 20, 2021	Oct 21, 2021	Weekly	⊗
COPO VQI1	BPCO-VQI1	Jun 11, 2021	Jul 13, 2021	Weekly	⊗
Exascore follow-up	Exascore	May 19, 2021	May 22, 2021	Daily	⊗
Survey Direct	Direct	Apr 12, 2021	Apr 12, 2021	Daily	⊗
EXASCORE clinical study	Exascore	Feb 10, 2021	Feb 11, 2021	Daily	⊗
Rennes hospital	BPCO-VQI1	Aug 31, 2020	Aug 31, 2020	Weekly	⊗
Respiratory study	BPCO-VQI1	Jun 26, 2020	Jun 26, 2020	Daily	⊗
BPCO follow-up	BPCO-VQI1	Jun 22, 2020	Jul 1, 2020	Weekly	⊗
BPCO clinical study	BPCO-VQI1	Apr 2, 2020	Apr 4, 2020	Daily	⊗

2 Enter a name for the survey, select your survey type and its frequency.

← BACK Add a survey

Name: _____

Type: _____ Frequency: _____

Starting date: Ending date: _____

Patients list

Gender	Firstname	Lastname	Birth date
Ms	Perelle	Cécile	Feb 16, 1949
Mr	Adam	LABROSSE	Oct 18, 1976
Mr	Jean	JF-JFM	Sep 22, 1967
Mr	Ferdinand	FB-JFM	Apr 29, 1963
Mr	Aubin	SAHALOR	Sep 9, 1939
Mr	Thierry	TB-JFM	Nov 13, 1957
Ms	Anne	AP-JFM	Oct 4, 1966
Ms	Annie	AMD-FLG	Jul 11, 1938
Mr	Corentin	CB-FLG	Mar 18, 1975

3 types of surveys are available:

Select the frequency of the survey:

Direct

BPCO-VQI1

Exascore

Daily

Every two days

Weekly

Monthly

3 Select a starting and ending date:

← BACK Add a survey

Name :

Type : Frequency :

Starting date : 01/12/2023 Ending date :

Patients list

4 Finally, select the patients who will receive the survey. Click on the patients in the list.

Click on **ADD** the button to confirm the survey creation.

← BACK Add a survey

Name :

Type : Frequency :

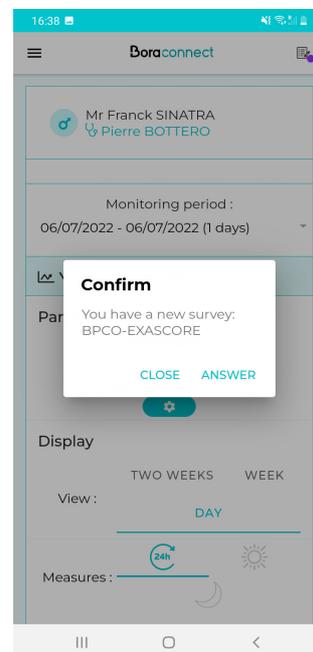
Starting date : Ending date :

Patients list

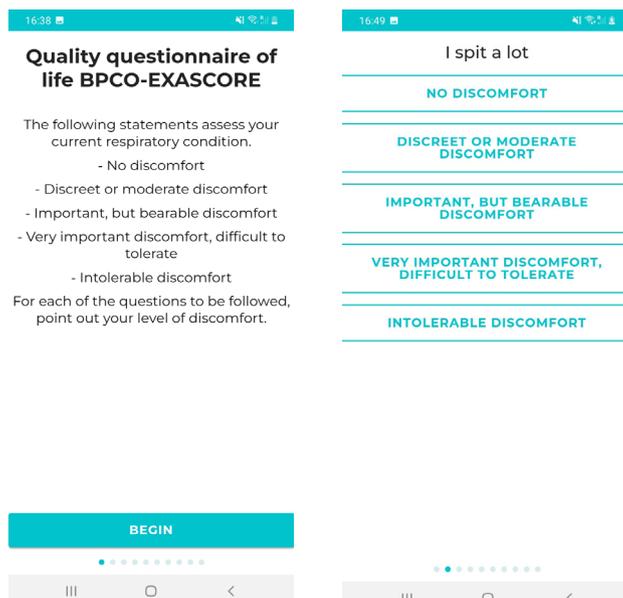
Search

Gender	Firstname	Lastname	Birth date
Ms	Pirelle	Cécile	Feb 16, 1949
Mr	Adam	LABROSSE	Oct 18, 1976
Mr	Jean	JF-3FM	Sep 22, 1967
Mr	Ferdinand	FB-3FM	Apr 29, 1963
Mr	Aubin	SAHALOR	Sep 9, 1939
Mr	Thierry	TB-3FM	Nov 13, 1957
Ms	Anne	AP-3FM	Oct 4, 1966
Ms	Annie	AMD-FLG	Jul 11, 1938
Mr	Corentin	CB-FLG	Mar 18, 1975
Mr	Franck	Sinatra	Dec 12, 1985

5 The next time a patient open Bora connect mobile, a survey notification will appear and ask the patient to complete the survey.



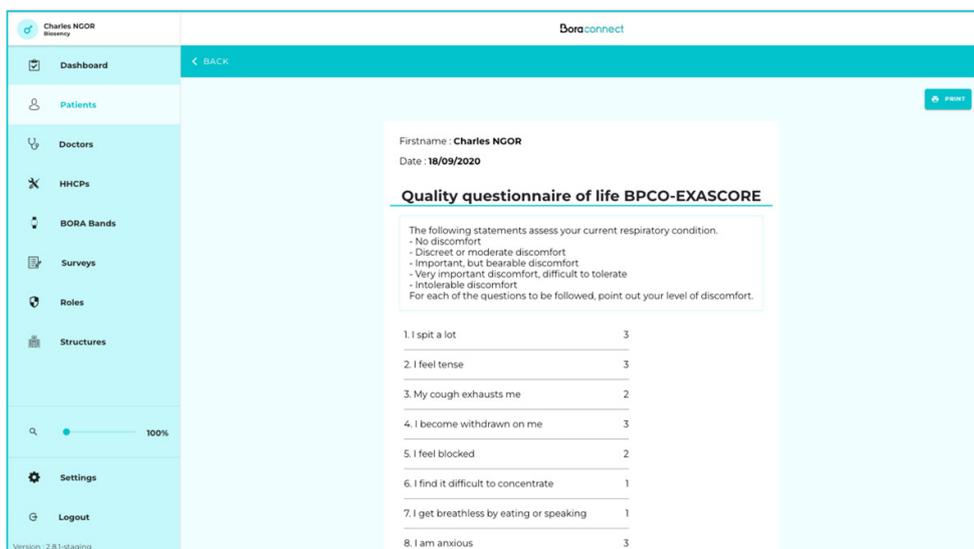
Patient can answer the survey on his phone



6 You can consult patient answers in his detailed page below the graph measures.

Quality of life			
Date	Type	Score	
06/09/2020	Direct	14	👁️
09/18/2020	Exascore	18	👁️
09/22/2020	Exascore	16	👁️
02/09/2022	Exascore	23	👁️
02/09/2022	Exascore	15	👁️

7 Click on the 👁️ button to consult patient answers for each survey



The different sections on Bora connect [®]

Doctor

This page will show all doctors who are associated to your structure. You can consult detailed information about the doctor by clicking on the  button.

In case you would like to add a doctor, please contact Biosency [support](#).

Doctors List

Firstname	Lastname	Gender	E-Mail	Professional ID	Phone number	Creation date	
Pierre	Bottero	Mr	pierre.bottero.bio@yopmail.com		+33622334455	Feb 21, 2020	
Carlos	Ruiz Zafon	Mr	carlos.ruiz.zafon.bio@yopmail.com	112049191	+33103954815	Mar 4, 2020	
Alex	LeMedecin		alex.lemedecin.bio@yopmail.com			Dec 15, 2020	

Display elements per page Previous page 1 Next page 3 elements in total

Services List

[ADD](#)

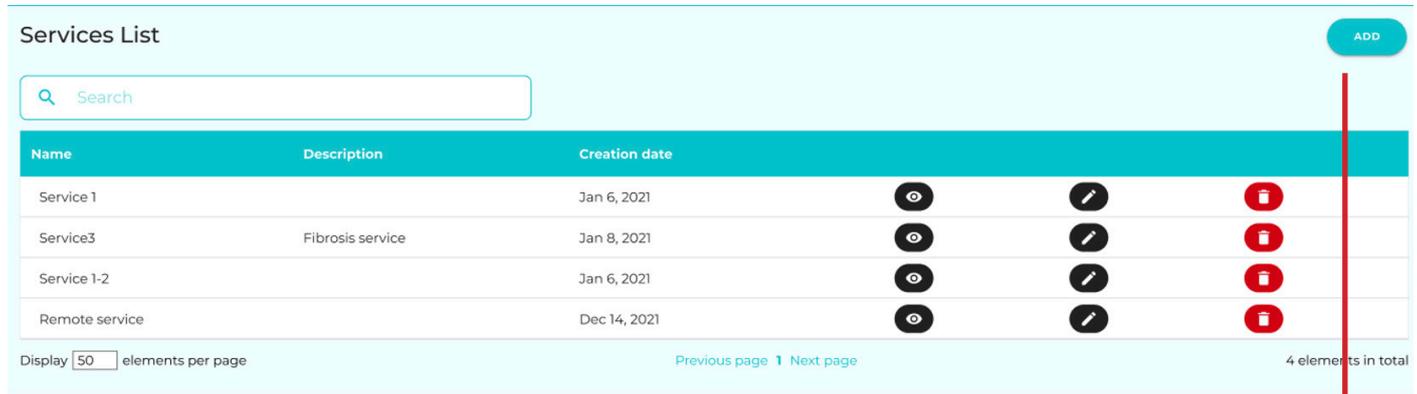
Name	Description	Creation date			
Service 1		Jan 6, 2021			
Service3	Fibrosis service	Jan 8, 2021			
Service 1-2		Jan 6, 2021			
Remote service		Dec 14, 2021			

Display elements per page Previous page 1 Next page 4 elements in total

Services list

You can create a service which regroups multiple doctors. A service can then be associated to a patient. All doctors in the service will then be able to consult the patient data.

To create a service, click on the  button



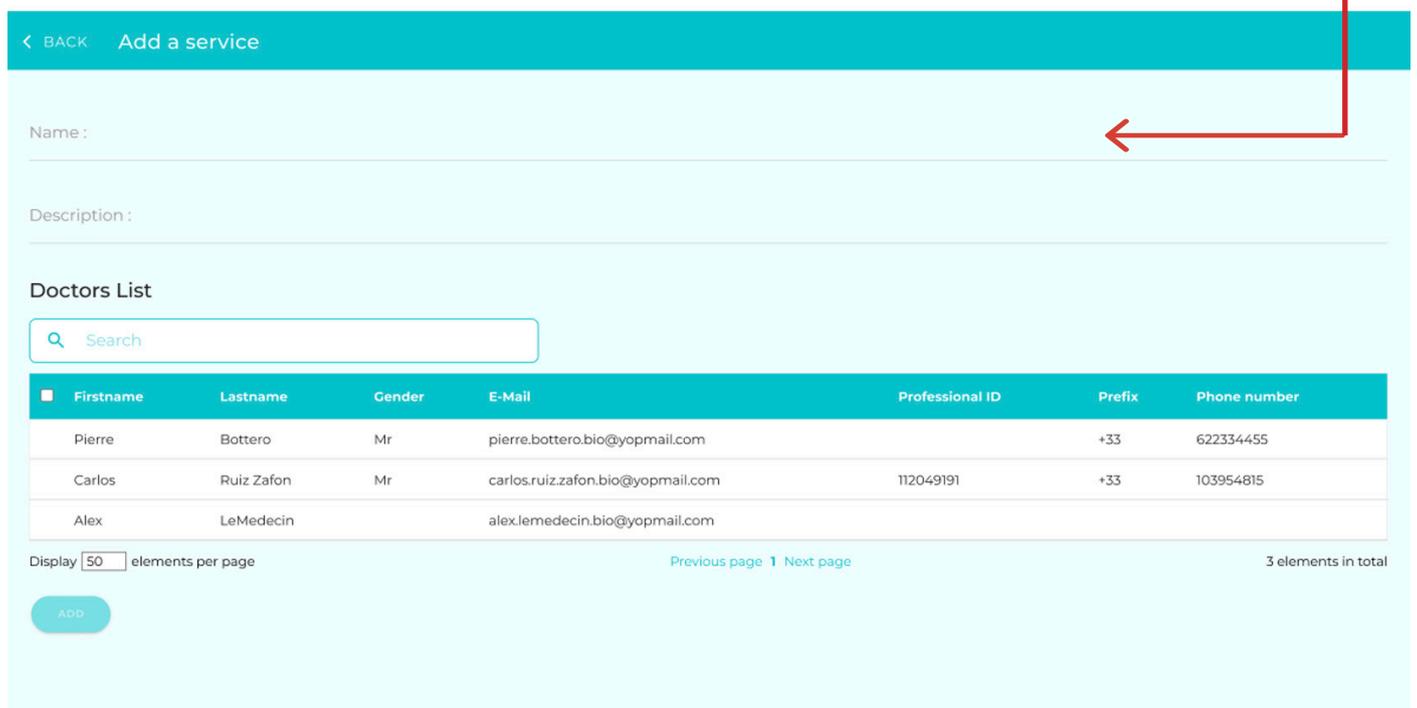
Services List

ADD

Search

Name	Description	Creation date			
Service 1		Jan 6, 2021			
Service3	Fibrosis service	Jan 8, 2021			
Service 1-2		Jan 6, 2021			
Remote service		Dec 14, 2021			

Display 50 elements per page Previous page 1 Next page 4 elements in total



< BACK Add a service

Name :

Description :

Doctors List

Search

Firstname	Lastname	Gender	E-Mail	Professional ID	Prefix	Phone number
Pierre	Bottero	Mr	pierre.bottero.bio@yopmail.com		+33	622334455
Carlos	Ruiz Zafon	Mr	carlos.ruiz.zafon.bio@yopmail.com	112049191	+33	103954815
Alex	LeMedecin		alex.lemedecin.bio@yopmail.com			

Display 50 elements per page Previous page 1 Next page 3 elements in total

ADD

Enter a name for the service. An optional description can be added.

Select the doctors to add to the service by clicking items in the list

← BACK Add a service

Name : _____

Description : _____

Doctors List

🔍 Search

Firstname	Lastname	Gender	E-Mail	Professional ID	Prefix	Phone number
Pierre	Bottero	Mr	pierre.bottero.bio@yopmail.com		+33	622334455
Carlos	Ruiz Zafon	Mr	carlos.ruiz.zafon.bio@yopmail.com	112049191	+33	103954815
Alex	LeMedecin		alex.lemedecin.bio@yopmail.com			

Display 50 elements per page Previous page 1 Next page 3 elements in total

ADD

Click on the **ADD** button to confirm the service creation.

HHCPs

This page allows you to manage the creation of HHCP accounts.

Click on **ADD** the button to add a new HHCP account.

Health actors

🔍 Search

ADD

Firstname	Lastname	Gender	E-Mail	Phone number	Creation date	Author			
Harper	LEE	Mr	harper.lee.bio@yopmail.com	+33655468990	Feb 4, 2020		👁		
Charles	Italian	Mr	charles.italian@yopmail.com		Jun 7, 2022	Harper LEE	👁	✍	🗑
Sylvain	Italian	Mr	sylvain.italian@yopmail.com		Jun 7, 2022	Harper LEE	👁	✍	🗑
Yannick	Nouet	Mr	yannick.nouet@biosency.com		May 19, 2021	Gilles GIANNOLI	👁	✍	🗑
Sylvain	Magnin	Mr	sylvain.magnin@biosency.com		Apr 8, 2021	Harper LEE	👁	✍	🗑
Haloui	Houda	Ms	houda.haloui@gmail.com		Feb 3, 2021	Harper LEE	👁	✍	🗑
Gilles	Giannoli	Mr	mbr.biosency@yopmail.com		Feb 3, 2021	Harper LEE	👁	✍	🗑
Chantal	ASTARAC	Ms	chantalastarac@yopmail.com	+33644553377	May 4, 2020	Harper LEE	👁	✍	🗑
Jean	BAMBOIS	Mr	jean.bambois@yopmail.com	+33644556678	May 4, 2020	Harper LEE	👁	✍	🗑
Charles	Ngor	Mr	charles@biosency.com		Jul 22, 2021	Harper LEE	👁	✍	🗑
Jiggles	Mister	Mr	mr.jiggles@yopmail.com		Apr 12, 2022	Harper LEE	👁	✍	🗑
Billy	Soptekeu	Mr	bsoptekeu@yopmail.com		Apr 12, 2022	Harper LEE	👁	✍	🗑
Billy	SOPTEKEU	Mr	bsoptekeu@intermedcon.com		Apr 8, 2022	Harper LEE	👁	✍	🗑
azur	o2	Mr	azur.o2@yopmail.com		Feb 15, 2022	Harper LEE	👁	✍	🗑
Laura	Colin	Ms	laura.colin@biosency.com		Sep 7, 2021	Harper LEE	👁	✍	🗑
Edith	PIAF	Ms	epiaf@hotmail.fr	+33	Mar 2, 2022	Harper LEE	👁	✍	🗑

← BACK Add a health actor

Gender : ▾

Language : ▾

Lastname :

Firstname :

E-Mail :

Prefix : ▾ Phone number :

Role : ▾

ADD

Select a role for the HHCP account.

Role :

StructurePharmacist	<input type="radio"/>
StructureTechnician	<input type="radio"/>
External role	<input type="radio"/>
Admin role	<input type="radio"/>
Technician role	<input type="radio"/>

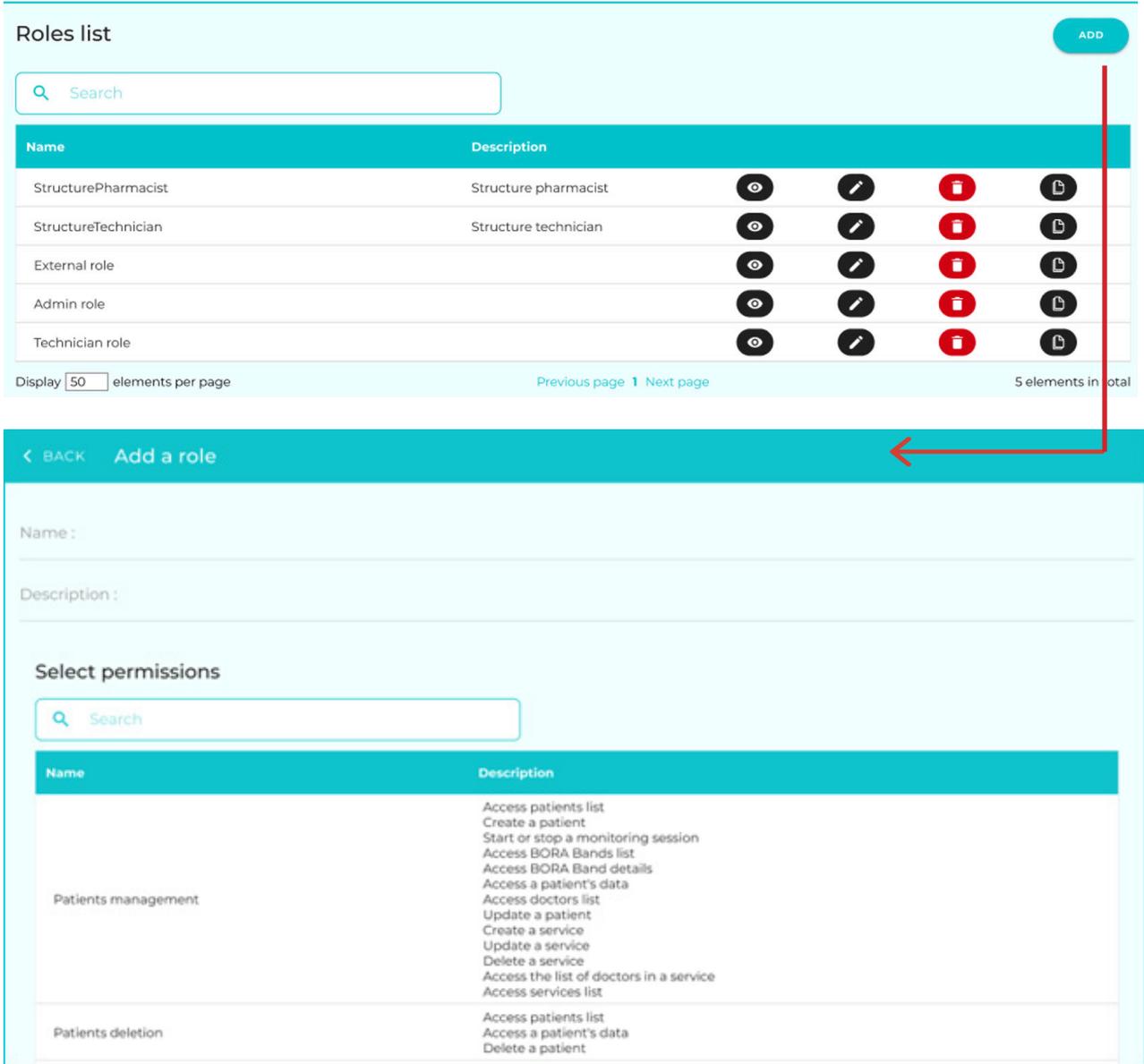
Roles can be configured in the Roles page. Roles allows you to grant specific permissions for HHCP users.

Click on  the button to add the HHCP user.

Roles

This page allows to manage the creation of roles for HHCP users. Roles allows you to grant specific permissions for HHCP users.

Click on  the button to add a new role.



The screenshot displays the 'Roles list' interface. At the top right, there is an 'ADD' button. Below it is a search bar. The main part of the interface is a table with columns for 'Name', 'Description', and four action icons (eye, pencil, trash, document). The table lists five roles: StructurePharmacist, StructureTechnician, External role, Admin role, and Technician role. Below the table, there is a pagination control showing 'Display 50 elements per page', 'Previous page 1 Next page', and '5 elements in total'. A red arrow points from the 'ADD' button to the 'Add a role' form below. The form has a 'Name' field, a 'Description' field, and a 'Select permissions' section with a search bar and a table of permissions. The permissions table has columns for 'Name' and 'Description' and lists two categories: 'Patients management' and 'Patients deletion', each with several specific actions.

Name	Description	View	Edit	Delete	Details
StructurePharmacist	Structure pharmacist				
StructureTechnician	Structure technician				
External role					
Admin role					
Technician role					

Display elements per page Previous page 1 Next page 5 elements in total

[Add a role](#)

Name :

Description :

Select permissions

Name	Description
Patients management	Access patients list Create a patient Start or stop a monitoring session Access BORA Bands list Access BORA Band details Access a patient's data Access doctors list Update a patient Create a service Update a service Delete a service Access the list of doctors in a service Access services list
Patients deletion	Access patients list Access a patient's data Delete a patient

Select the permissions you want to grant to this new role by clicking on items in the list.

< BACK Add a role

Name :

Description :

Select permissions

Search

Name	Description
Patients management	Access patients list Create a patient Start or stop a monitoring session Access BORA Bands list Access BORA Band details Access a patient's data Access doctors list Update a patient Create a service Update a service Delete a service Access the list of doctors in a service Access services list
Patients deletion	Access patients list Access a patient's data Delete a patient
Patients and surveys related data	Access patients list Access questionnaires on the patient's quality of life Access a patient's answers to a questionnaire on their quality of life Access a patient's data
Doctors related data	Access patients list Access doctors list Access a doctor's details and his list of patients the doctor is following Create a service Update a service Delete a service Access the list of doctors in a service Access services list

Click on the  button to confirm the creation of the role.

Bora band®

This page allows you to manage your Bora band®.

Bora band® are classified in 4 states :

Available	Bora band® is ready to be assigned to a patient
Assigned	Bora band® is currently assigned to a patient
To disinfect	Bora band® must be disinfected before being allowed to be assigned to a new patient
In maintenance	Bora band® is under investigation or being repaired by Biosency

BORA Bands

Available

Model	Serial number		
BB-100	B38ABT		
BB-100	B36AAH		

Display 50 elements per page Previous page 1 Next page 2 elements in total

Assigned

Model	Serial number	Patient	Assignment date		
BB-100	C17ABH	Marie STUART	02/04/2020		
BB-100	C17BDB	Michel POLNAREF	11/10/2021		

Display 50 elements per page Previous page 1 Next page 2 elements in total

To disinfect

Model	Serial number	
BB-100	B37BBT	

Display 50 elements per page Previous page 1 Next page 1 elements in total

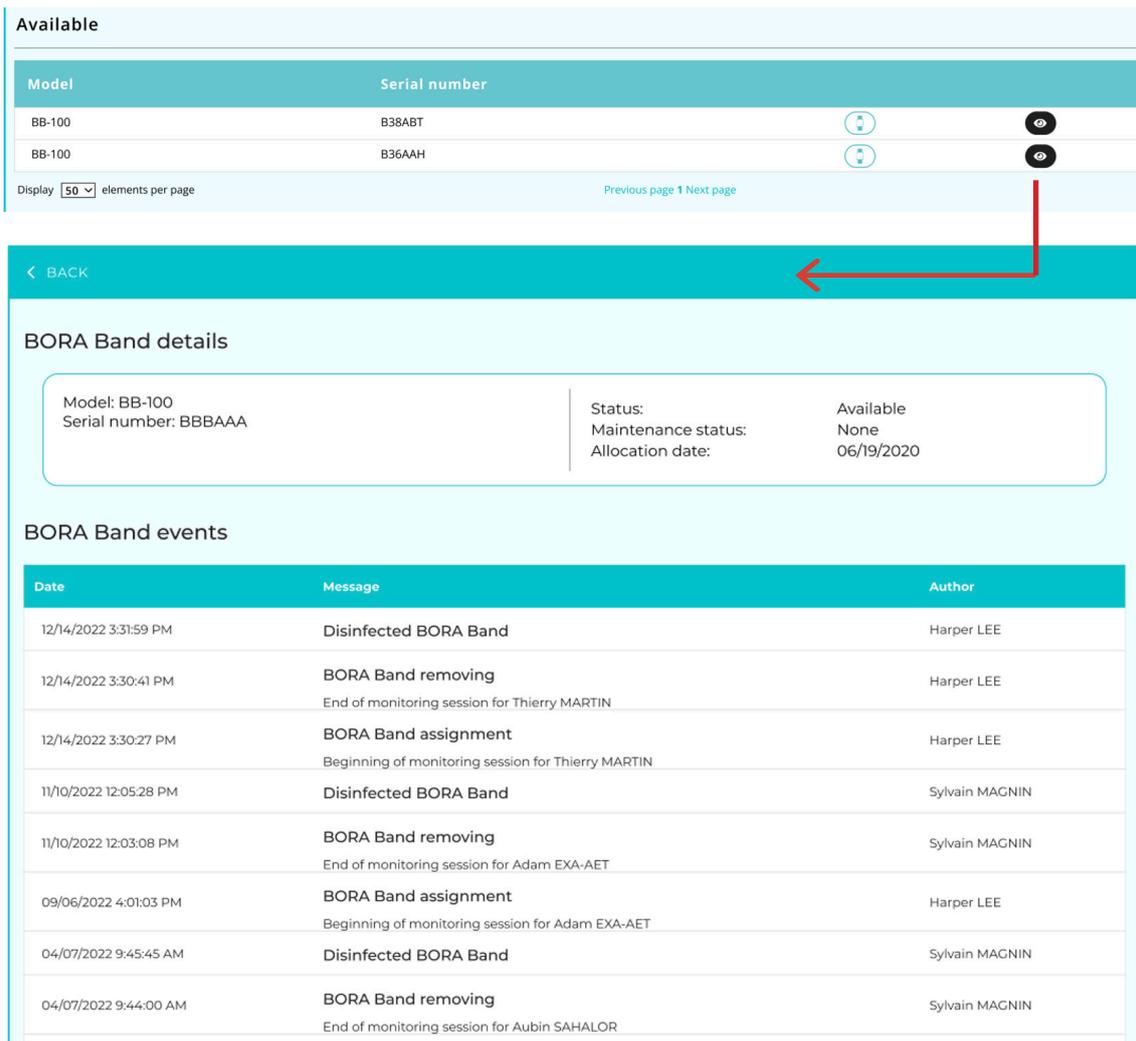
In maintenance

Model	Serial number	Maintenance status	Comment
No data			

Display 50 elements per page Previous page 1 Next page 0 elements in total

Click on the button to assign the Bora band® to a patient.

Click on the  button to consult details of a Bora band®.



Model	Serial number		
BB-100	B38ABT		
BB-100	B36AAH		

Display elements per page Previous page 1 Next page

[← BACK](#)

BORA Band details

Model: BB-100 Serial number: BBBA00	Status: Available Maintenance status: None Allocation date: 06/19/2020
--	--

BORA Band events

Date	Message	Author
12/14/2022 3:31:59 PM	Disinfected BORA Band	Harper LEE
12/14/2022 3:30:41 PM	BORA Band removing End of monitoring session for Thierry MARTIN	Harper LEE
12/14/2022 3:30:27 PM	BORA Band assignment Beginning of monitoring session for Thierry MARTIN	Harper LEE
11/10/2022 12:05:28 PM	Disinfected BORA Band	Sylvain MAGNIN
11/10/2022 12:03:08 PM	BORA Band removing End of monitoring session for Adam EXA-AET	Sylvain MAGNIN
09/06/2022 4:01:03 PM	BORA Band assignment Beginning of monitoring session for Adam EXA-AET	Harper LEE
04/07/2022 9:45:45 AM	Disinfected BORA Band	Sylvain MAGNIN
04/07/2022 9:44:00 AM	BORA Band removing End of monitoring session for Aubin SAHALOR	Sylvain MAGNIN

You can consult the details of the Bora band®: model, serial number, status, date of allocation to your structure.

An event table list all events of the Bora band® (assignment to patient, status modification).

Settings

This allows you to manage your personal data and settings.



You can edit your identity, email address, and modify the interface language. Click on the **UPDATE** button to confirm changes.

Multi-factor authentication

Click on the **RESET THE PAIRED DEVICE** button to reset the phone number associated to your account (the phone number which receives the one-time password code during authentication). A new phone number will be requested the next time you login to Bora connect.

Password

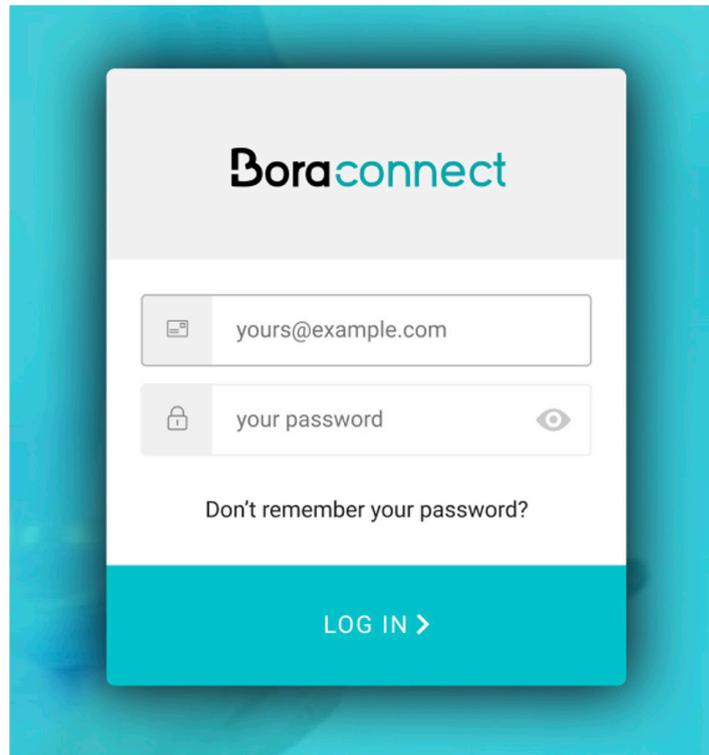
Click on the **REQUEST PASSWORD CHANGE** button to request a password change. You will receive an email which contains a reset password link.

Forgotten your password?

If you wish to change your password or you have forgotten your password, you can request a change password in the login page.

Click on “Don’t remember your password?”. An email containing a reset password link will be sent to you.

If you have trouble with changing your password, contact Biosency support (see at the end of the user manual).



Boraconnect

[Don't remember your password?](#)

LOG IN >

Meanings of figures, symbols, and abbreviations

	Click to start a monitoring session
	Click to end a monitoring session
	Click to consult
	Click to add as a favorite
	Click to add remove from favorite
	Click to delete
	Click to modify
	Click to duplicate
RR (CPM)	Respiratory rate (Cycle per minute)
HR (BPM)	Heart rate (Beat per minute)
SpO2 (%)	Oxygen saturation (percentage)
Act (h)	Activity duration (hour)
	A technical alert is active
	Technical alert is not active
	An oxygen level alert is active
	Oxygen level alert is not active
	A heart rate alert is active
	Heart rate alert is not active
	A respiratory rate alert is active
	Respiratory rate alert is not active
	Add a comment on an alert
	Consult patient graphs on date of alert
	Select several alerts for closing

Logout from bora connect

Use the “Logout” button at the bottom-left of the application.



Bora connect® software update and maintenance

Bora connect® platform is automatically updated when a new version is available. A communication is made by Biosency ahead of the update if there is an interruption of service or to present new functionalities.

5 PRECAUTIONS

VERSION OF BORA CONNECT MOBILE

To benefit from the latest developments, make sure you are using the latest version of Bora connect® mobile application.

Bora connect® mobile application displays a notification at the connection if a new version is available in the store.

Data storage

Bora connect® data is encrypted and hosted by a certified health data hosting provider.

For data storage, Bora connect® uses a 256-bit AES-256-GCM key format to secure the data.

Data retention period is defined in the privacy policy available in the section Personal data Protection Policy of the website: doc.bora-connect.com.

Personal data are archived for 5 years after the end of the contract. After then, they are deleted.

Connection logs are stored for 1 year. After then, they are deleted.

About Bora connect® mobile application, no personal data are stored on the phone device. Personal data are loaded on the RAM memory during application use and are deleted afterward.

Healthcare workers and professionals

Connect to the Bora connect® platform or mobile application:

- to view your patients' data.
- to view the status of your Bora bands fleet.

Patients

Patient can connect to Bora connect® platform or mobile application: to check the status of their Bora band®, and to consult their physiological data.

Patient can connect to bora connect for home or study to check the status of their Bora band®.

Guarantee and Support

For our warranty and support conditions, please refer to our general subscription conditions -available at doc.bora-connect.com - in the following paragraphs :

DURATION OF SUBSCRIPTION—CONTRACTS— RENEWAL - TERMINATION

CONDITIONS SPECIFIC TO THE PROVISION OF THE BORA CONNECT PLATFORM; paragraph support function

Guarantee exclusion

For our warranty and exclusion conditions, please refer to our general subscription conditions in the following paragraphs:

RESPONSIBILITIES, GUARANTEES AND EXCLUSIONS

Incidents

Any serious incident which occurs in connection with Bora connect® should be reported to the manufacturer and the competent authority of the Member State where the patient resides.

Support

In case of issue, contact Biosency at support@biosency.com or at 0 800 910 073.

Uninstallation and software decommissioning

Bora connect platform is a web-based platform, Bora connect® is not installed on your computer.

Bora connect mobile application, Bora connect for Home and Bora connect for Study can be uninstalled in the same way as any other applications, depending on how your mobile phone works. In general, a long press on the application's logo brings up a menu allowing you to uninstall the application.

This chapter provides a set of precautions and warnings to guard against cybersecurity risks. In order to guarantee the confidentiality, integrity and security of your personal data, you are strongly advised to read the information below.

Please consult this page which contains device residual risks, an overview of the security management of our platform, useful information for the safe use of the medical device and recommendations to protect yourself from cybersecurity risks:

<https://doc.bora-connect.com>

Security options

Bora connect® is a web platform. Security updates are deployed automatically. There are no specific security options for the use Bora connect®. Refer to the security recommendation section in <https://doc.bora-connect.com>

Auditing and logging

Bora connect® has the ability to reliably audit activity on the device. Bora connect® creates additional audits logs for any action in the platform. Data subject is identified for each personally identifiable information event in the log.

Security impact

In case of Bora connect® should fail to maintain security, the following impact to patient care would be the interruption of his remote monitoring which would only cause a delay in patient care.

Technical information

Specifications

Performance

For measurements accuracy please refer to the device's instruction for use.

Data	Display range	Display accuracy
Measurements		
Oxygen saturation	70% - 100% SpO ₂	± 1%
Heart Rate	35 – 240 bpm	± 1bpm
Respiratory Rate	10 – 50 cpm	± 1cpm
Temperature	10 – 43 °C	± 0,1°C
Activity	0 – 24 h	± 1min
Step	0 – 2 ⁶³ -1 steps	± 1step
Median & quartiles		
Oxygen saturation	70% - 100% SpO ₂	± 1%
Heart Rate	35 – 240 bpm	± 1bpm
Respiratory Rate	10 – 50 cpm	± 1cpm
Temperature	10 – 43 °C	± 0,1°C
Activity	0 – 24 h	± 1min
Step	0 – 2 ⁶³ -1 steps	± 1step
Lifespan	3 years	

Conformity

Software	IEC 62304 IEC 82304-1
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Clinical benefits

Improving the quality of life is a possible clinical benefit of setting up remote monitoring with the Bora band® and Bora connect®. The clinical parameters displayed on Bora connect® can be used by practitioners to optimize respiratory assistance prescriptions, and also allow the monitoring and maintenance of improvements during respiratory rehabilitation.

Preventing the worsening of chronic respiratory pathologies is a possible clinical benefit of using Bora connect® in combination with Bora band®. Changes in the clinical parameters displayed by Bora connect® may be an alert criteria for a future deterioration in a patient's state of health.

Copyrights and Trademarks

Bora band® and Bora connect® are registered trademarks of Biosency in France and Europe.

Symbols

This chapter describes the symbols that are used on the product or its packaging.

	Please consult the user guide before using the device.
	No alarm trigger.
	CE mark indicating compliance with current medical devices regulations. Notified body: BSI NL.
	Medical device.
	Unique device identifier
	Manufacturer and date of manufacture.

Manufacturer's contact details



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