# HYGIENE AUDITING TOOL
## ONBOARDING MOBILE APP

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18 March 2021

# Hygiene Auditing Tool - Global B. Braun APP Drives Digitalization



Time consuming
Error prone transfer
Delayed reporting

NOW
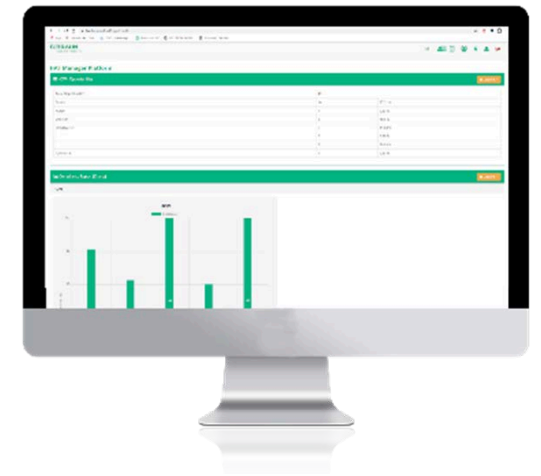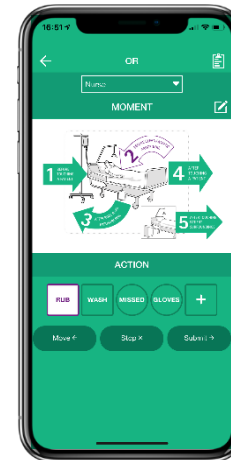
Time saving
Results are available in real-time.

# Hygiene Auditing Tool



**is**   a Cloud-Based Customizable Quality Management Tool and a Mobile APP for Data-Entry and Data-Analysis

**to**   Monitor Hand Hygiene Adherence To My 5-Moments & Infection Precautions

**for**   Infection Prevention & Control Professionals and Healthcare Quality Managers who are trained in the World Health Organization hand hygiene observation method.

Sax H, Allegranzi B, Chraïti MN, Boyce J, Larson E, Pittet D. The World Health Organization hand hygiene observation method. Am J Infect Control. 2009 Dec;37(10):827-34. doi: 10.1016/j.ajic.2009.07.003. PMID: 20004812.

# User Role *Institutional Manager*
# Has Access to Web-Admin-Tool and Mobile APP
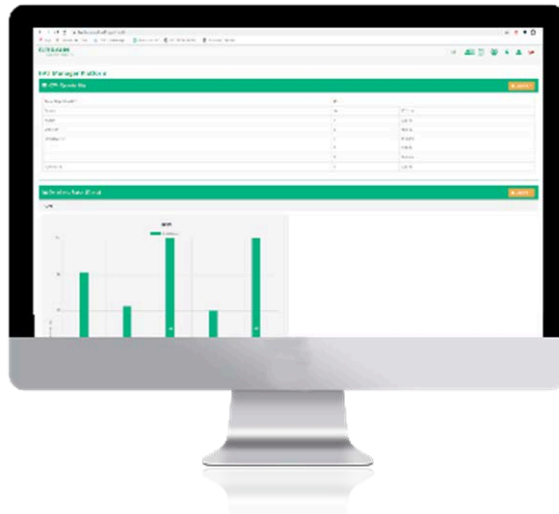
**Web-Admin Tool**
- Create/edit users
- Create/edit locations
- Set timeline & targets for auditors and check fulfillment rate
- Generate and filter reports
- Download reports, raw data & user lists
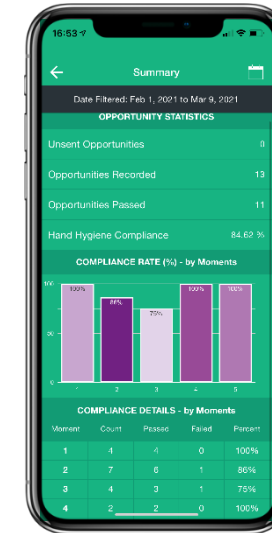
**Mobile APP**
- Record observations
- Generate and filter reports by location, user and health care worker type

# User Role *Auditor* has Access to the APP, only.
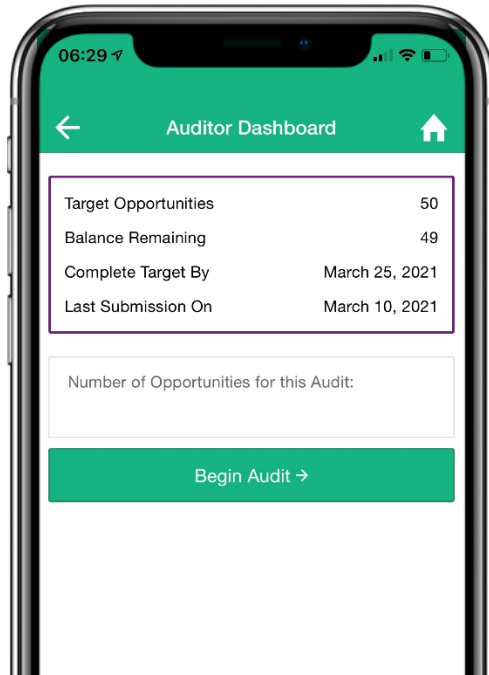


Sees targets (if there are any), fulfillment rate & recorded observations.
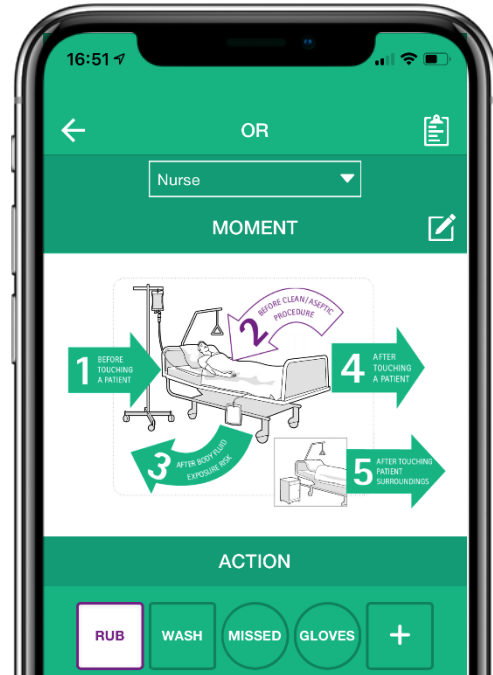
Can perform Hand Hygiene Compliance Observations
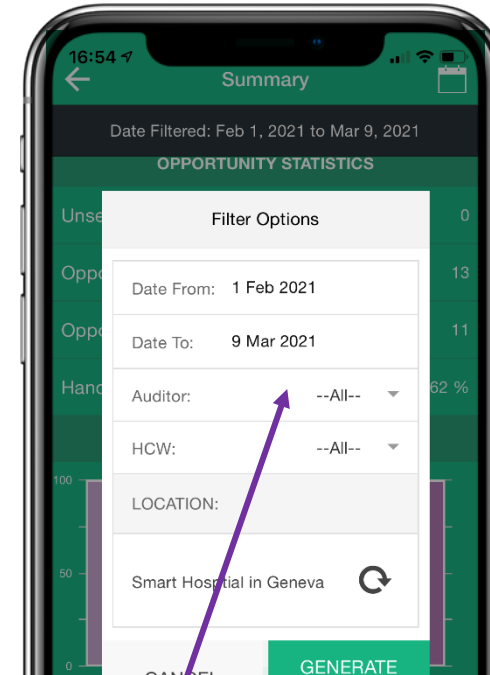
For the user role *Auditor* the selection of other Auditors is blocked! Data entered by other Auditors cannot be seen.
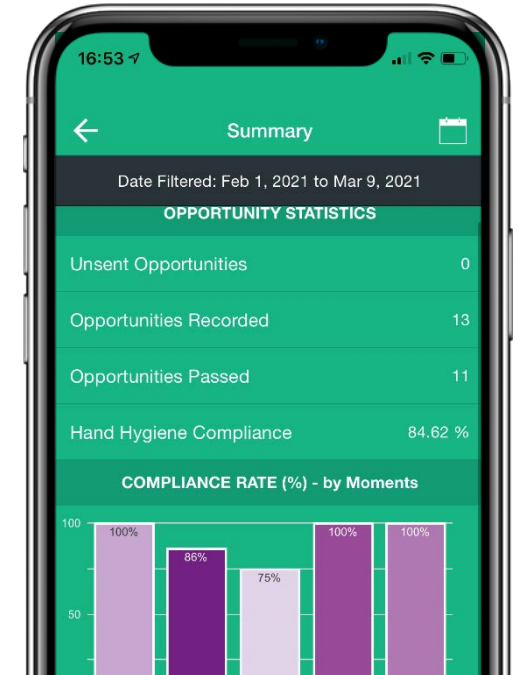
Generate and filter reports by location, dates & health care worker type

# Main Features Web-Admin-Tool
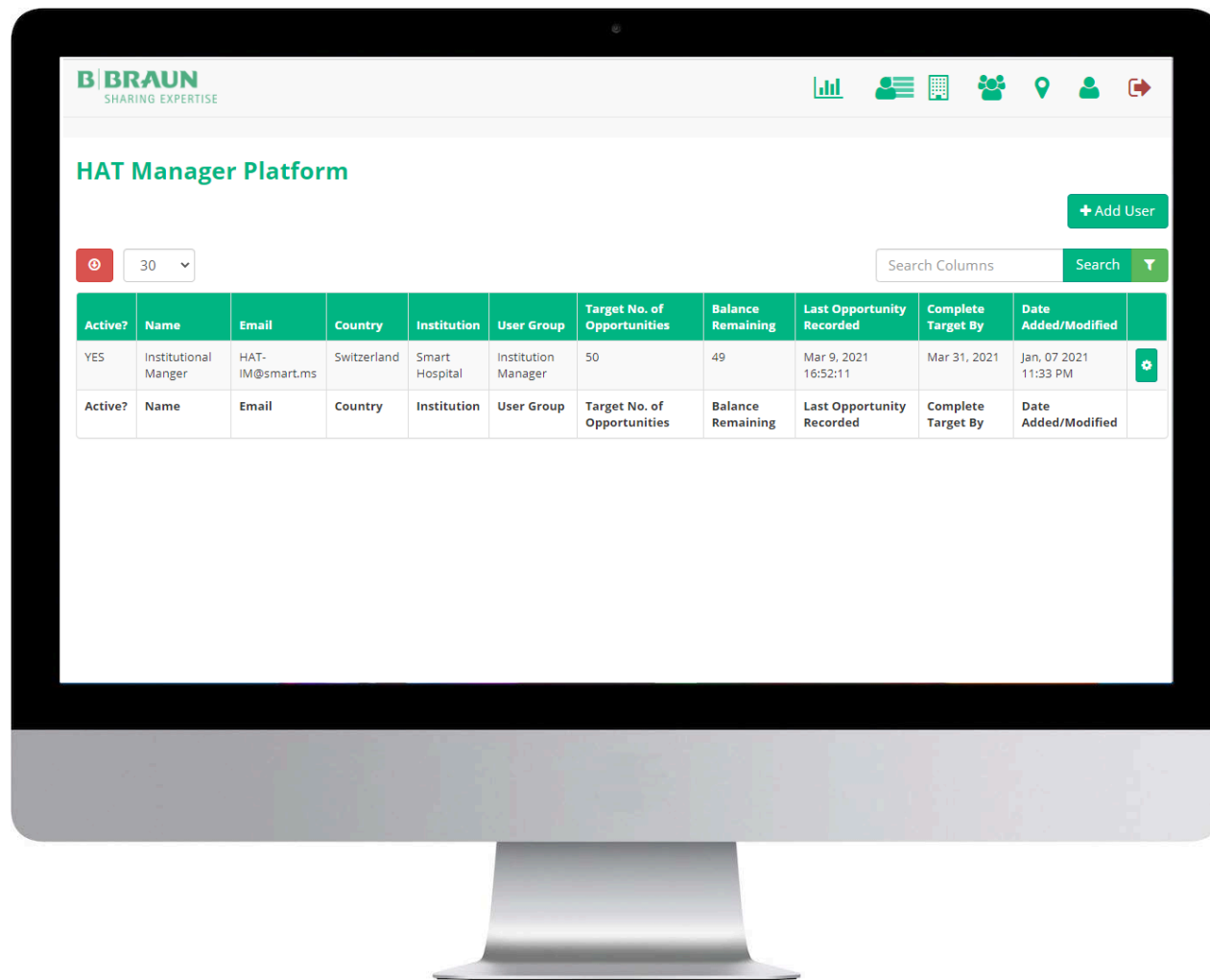


| | Reports |
| --- | --- |
| | Users List |
| | Institutions |
| | Manage HCW |
| | Locations |
| | Profile |
| | **Logout?** |

# **Location Setting** in the Web-Admin-Tool
# **Create Your Own** Drop-Down-Menus for the APP



Smart Hospital Group

**Smart Hospital in Lucerne** → Main Building → Emergency Room
**Smart Hospital in Bern**
**Smart Hospital in Geneva**
**Smart Hospital Synergy**

OR
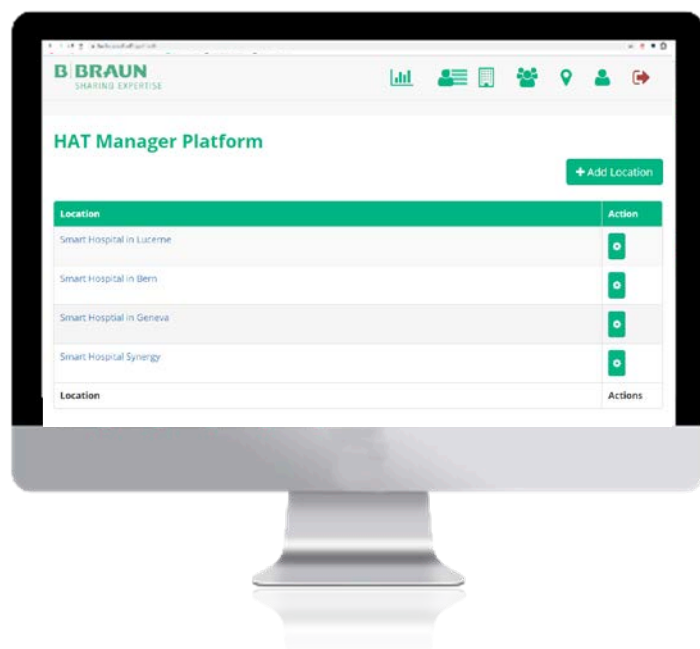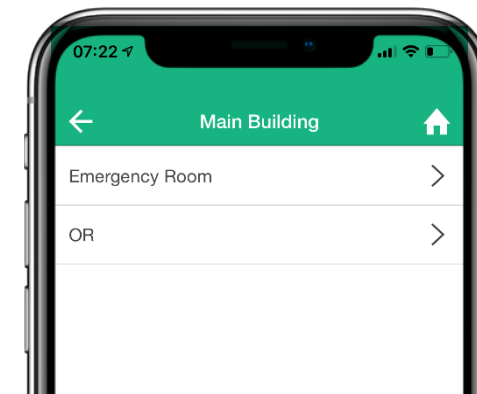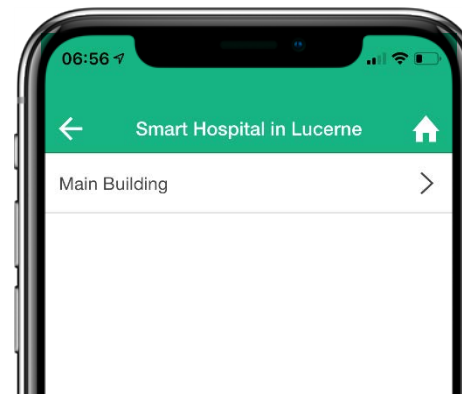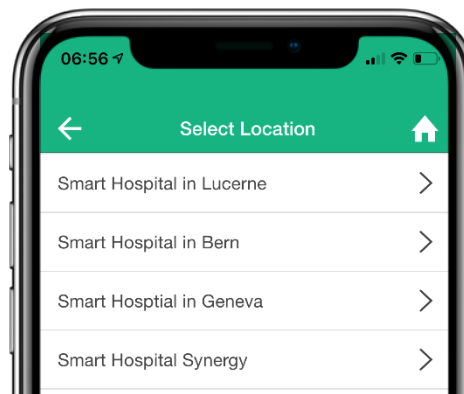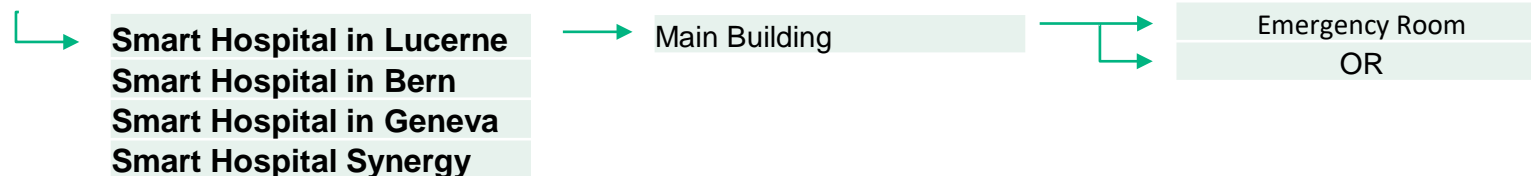
If no location is defined, the APP will not work!

# Target Setting of No. of Opportunities to be Observed
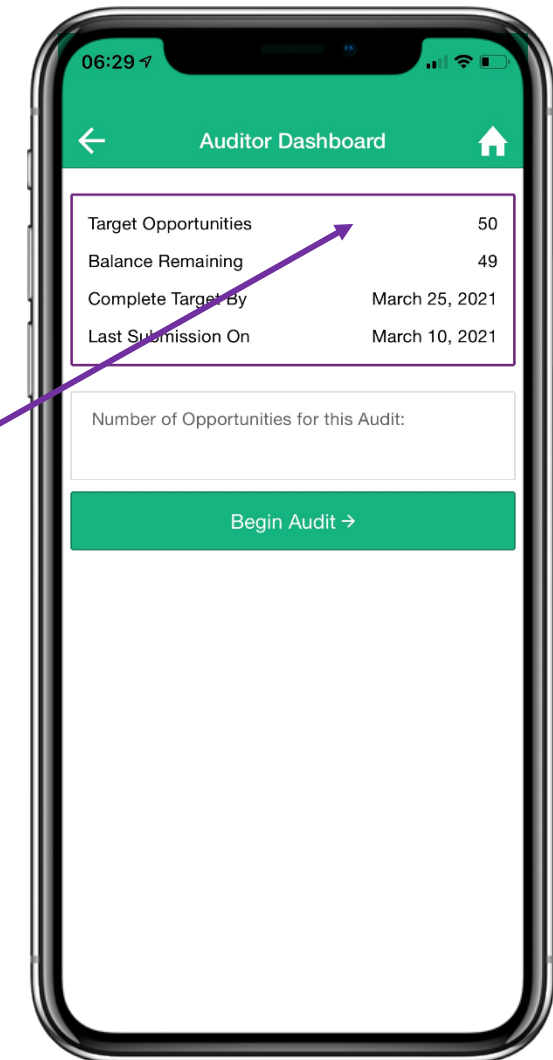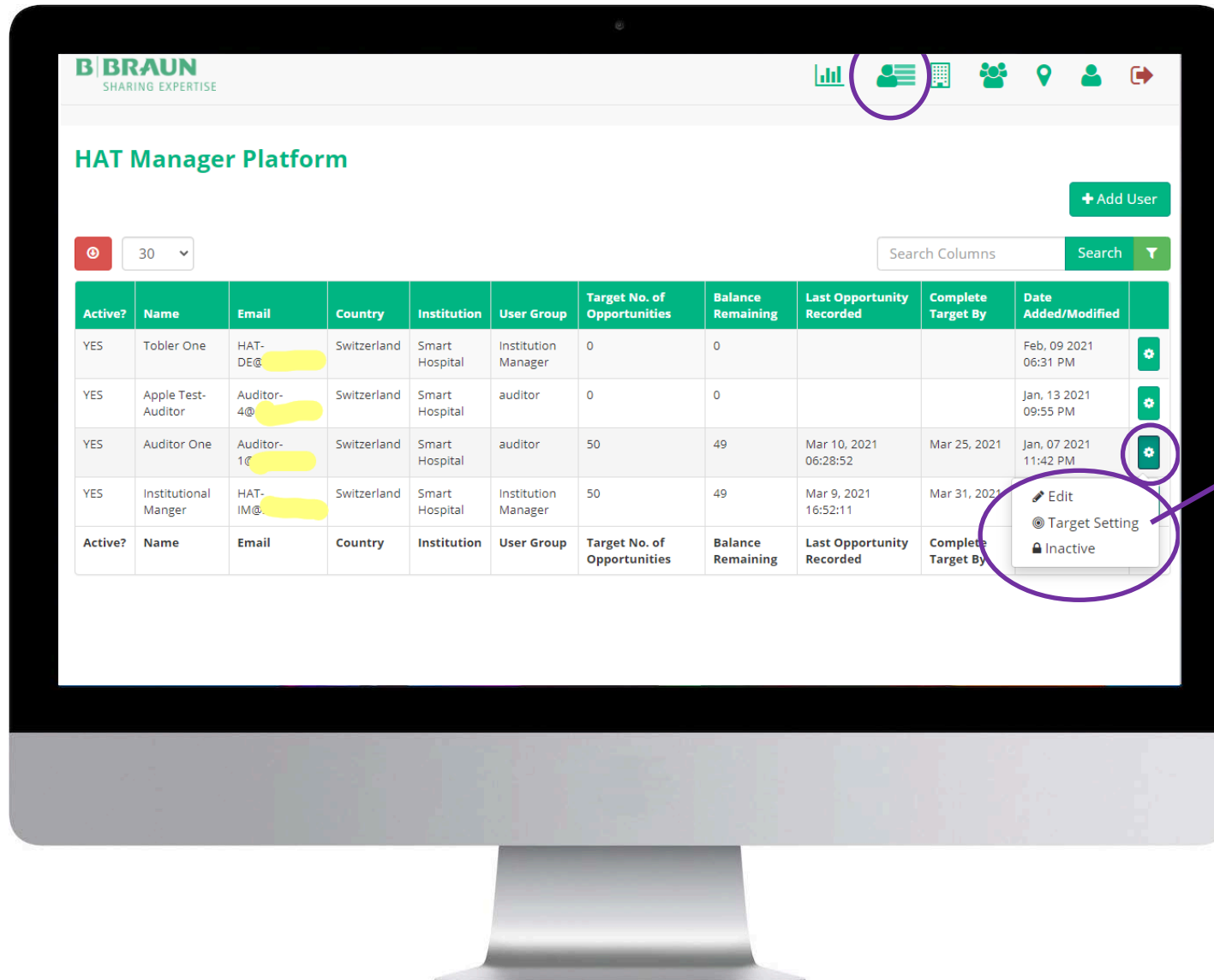
# Create and Sort Healthcare Worker Groups

# Main Features Mobile APP
## Language Selection
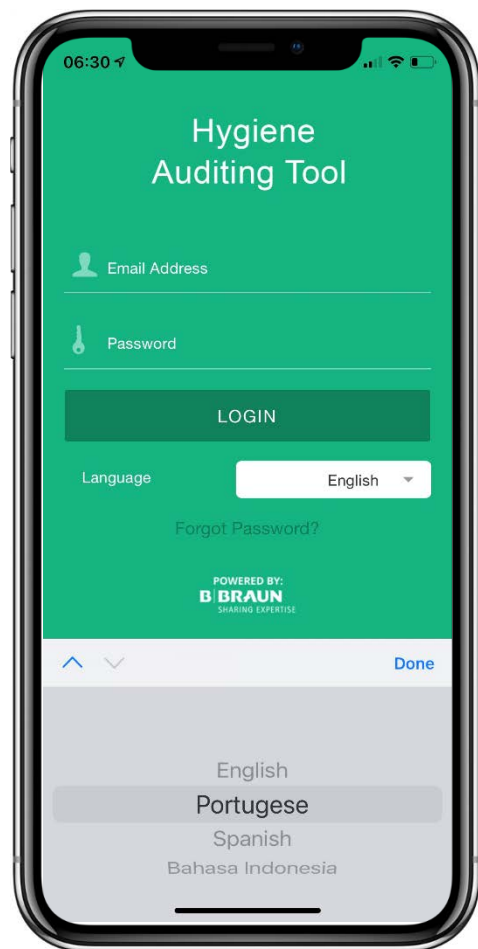
Currently available language packs

English
Portuguese (BR)
Spanish (MX)
Bahasa Indonesia

# Main Features Mobile APP
## Home Screen



Introduction

Monitoring «My 5-Moments»

Generating Charts

Generating Reports

User Profile

Practice Mode for Monitoring «My 5-Moments»

Training Videos

Frequently Asked Questions

# Monitoring «My 5-Moments»

Location selected on previous screen

 Back to previous screen

Select HCW-Type

**Monitoring «My 5-Moments»**
Moment 4 and 5 cannot be recorded together.
Select Moment 1-5 by tapping on the arrows.
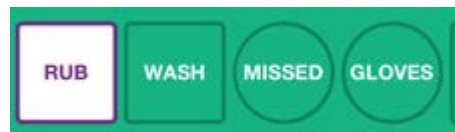
Link an ACTION to the selected Moments

.
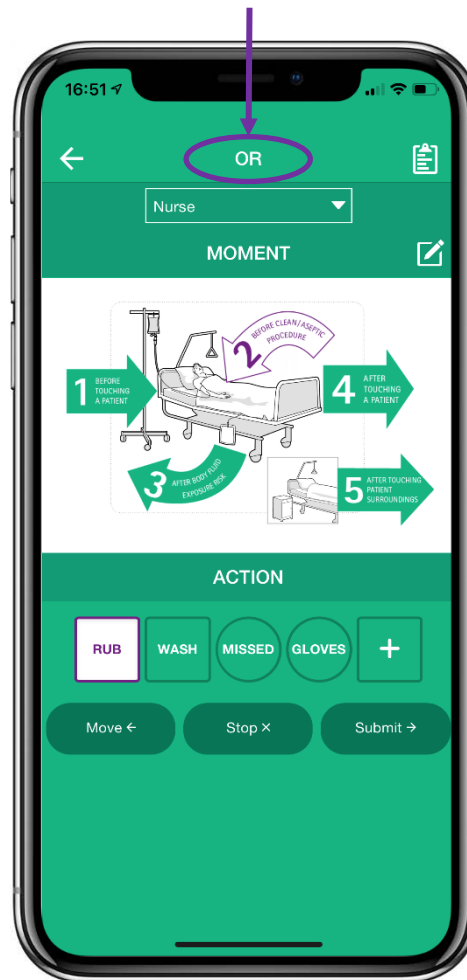
Audit summary

Enter Notes
(max. 150 characters)

Additional Precautions

Move ← to other location

Stop x Observation

Submit → Observation to Server

If the APP is used offline the data will be stored on your mobile device. The next time the APP is used online the data will be submitted to the server and deleted from your mobile device.
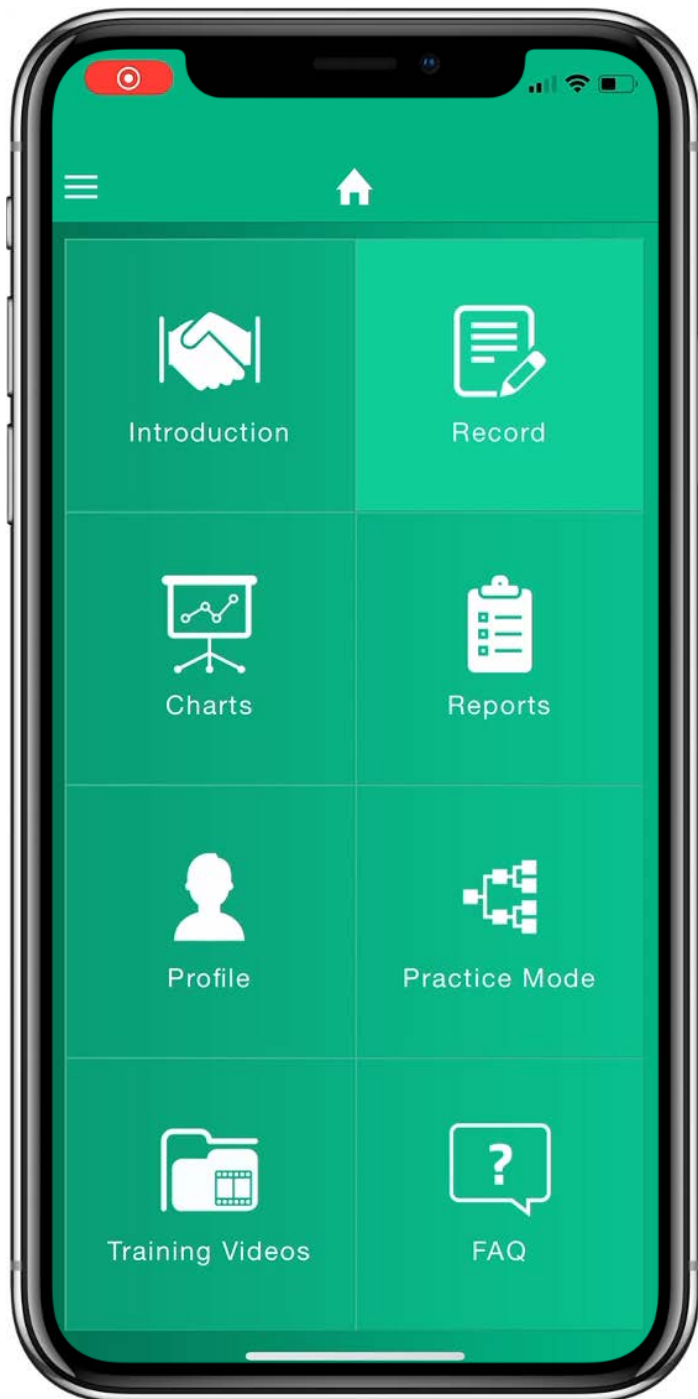
# Main Features Mobile APP
## Monitoring My-5-Moments for Hand Hygiene

1. Enter the target number of observations to be met during this observation.
2. Select location
3. Select HCW (Health Care Worker) Type
4. Begin Audit
5. Click on the arrows (Moments) and record action, add notes, precaution measures if indicated then press Submit.
6. Record more hand hygiene opportunities
7. After completing the observations provide educational feedback to the observed HCW

# Main Features Mobile APP
## Monitoring Additional Precautions
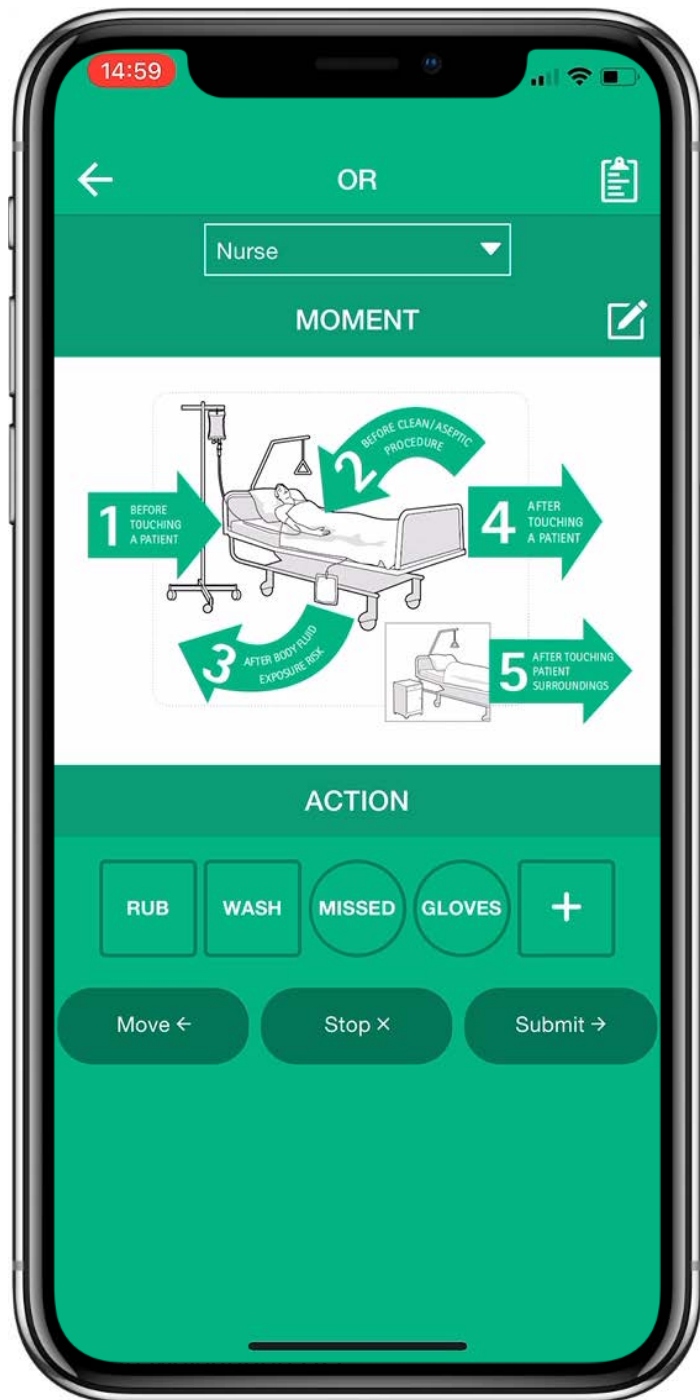
1.  Tap on  Action  **+** - Button

2.  Record the required information

3.  Drag down to get back to the previous screen.

4.  Submit the data
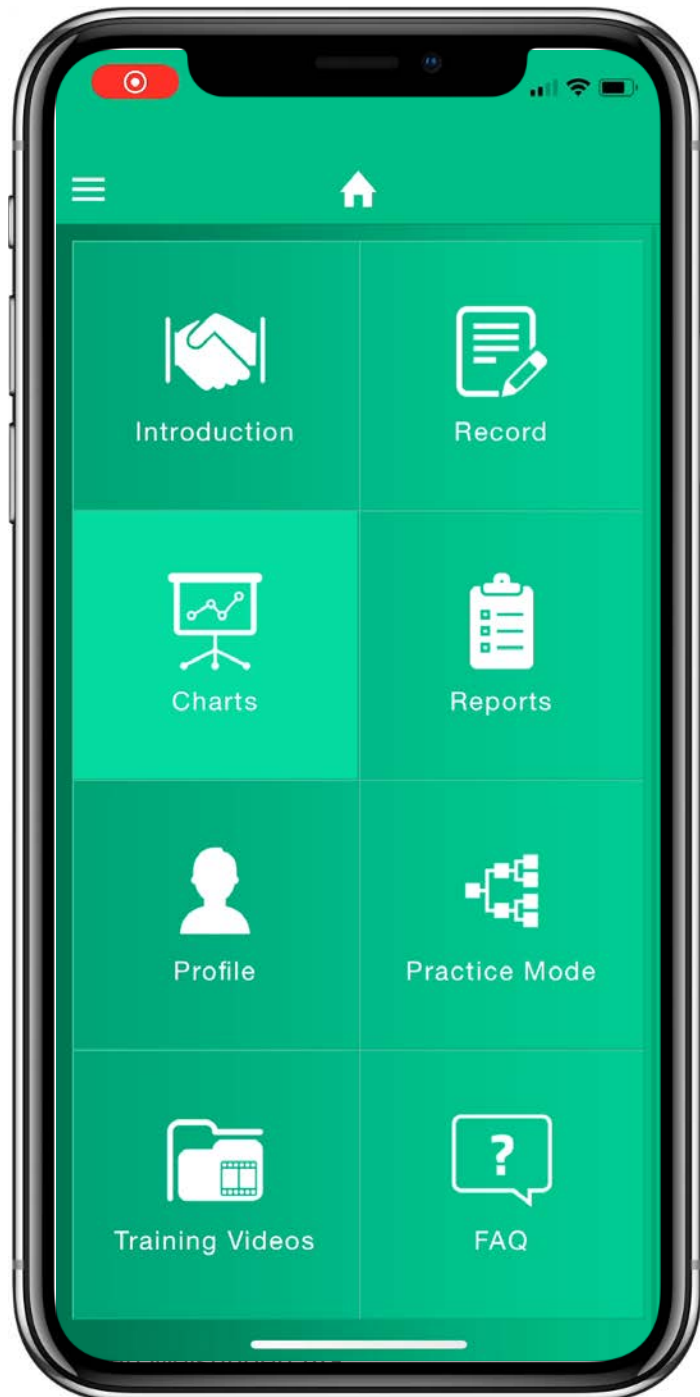
# Main Features Mobile APP
## Generating Real-Time Reports & Charts

1. Click on Reports or Charts

2. Select the period to review

3. **Filter by Auditor**
   User role *Institutional Manager* can filter by Auditor
   User role *Auditor* this field is blocked.

4. **Filter by HCW** (Health Care Worker)

5. **Filter by location**
   Select different location
   Select sub location
   Select sub sub location

6. Switch to Reports
   Every data set can be displayed in full detail
   Location is saved automatically and transferred to Charts or vice versa to Reports.

# Main Features Mobile APP
## Enter Notes
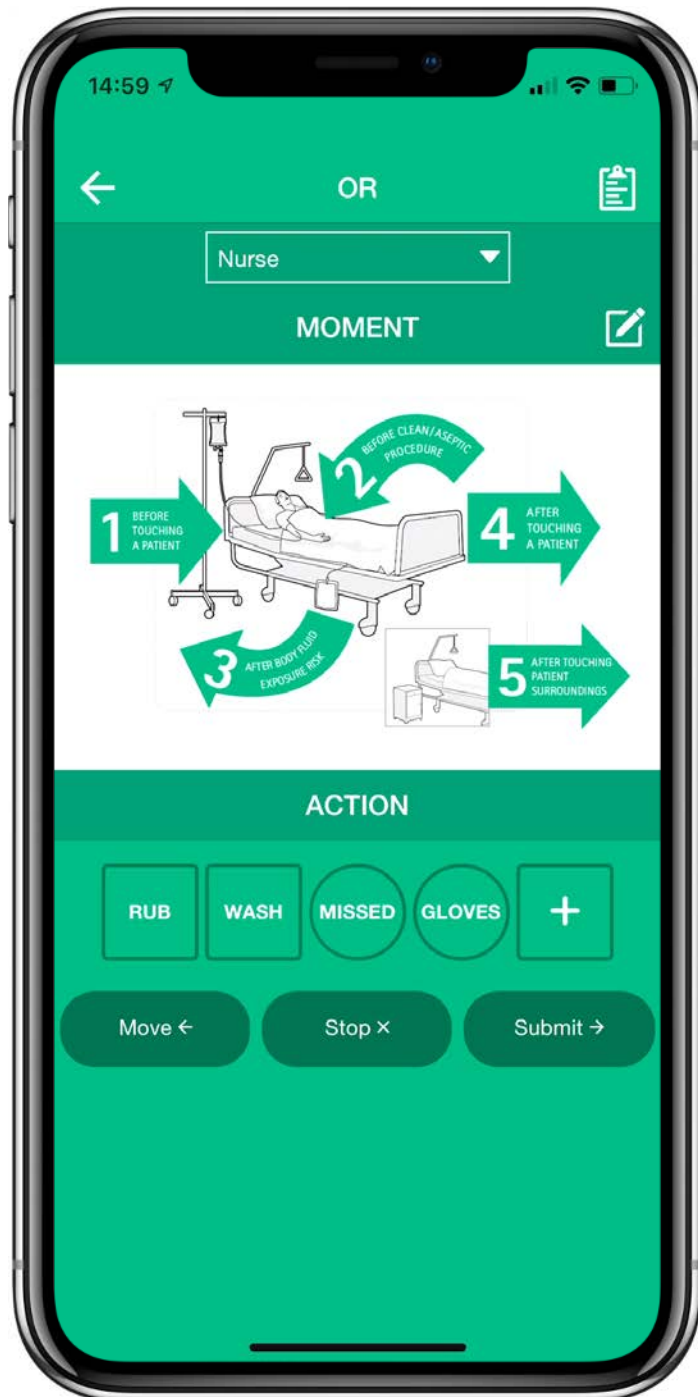
1. Tap on Action [✎] - Button

2. Enter free text, max. 150 characters

# Main Features Mobile APP
## Practice Mode

To try how to monitor hand hygiene compliance without saving the data to the server.
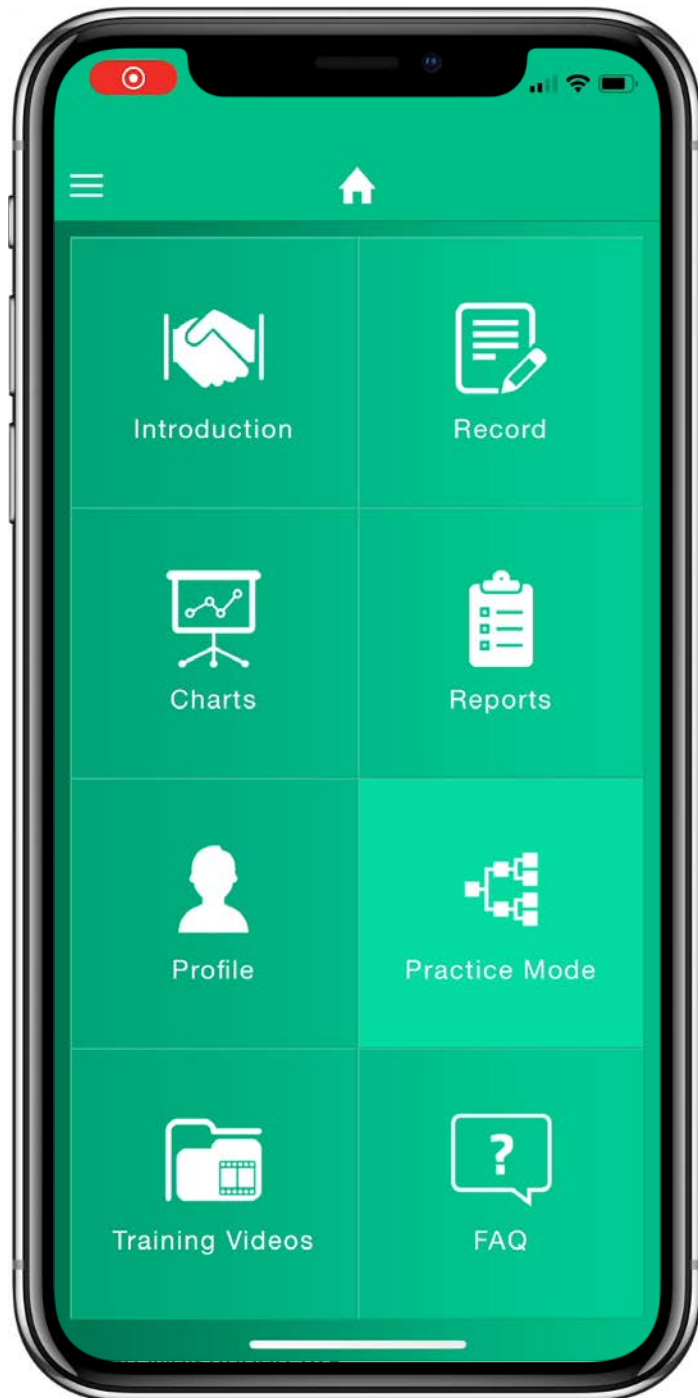
# Data Security, Data Privacy & Transparency

Imprint Privacy Policy Terms & Conditions
Copyright © B. Braun Melsungen AG

**Auditor One**
Smart Hospital

- Home
- Introduction
- Record Opportunity
- Charts
- Reports
- Profile
- Practice Mode
- Training Videos
- FAQ
- Logout

Imprint || Data Privacy Policies ||
Terms of Use
Copyright © B. Braun Melsungen AG
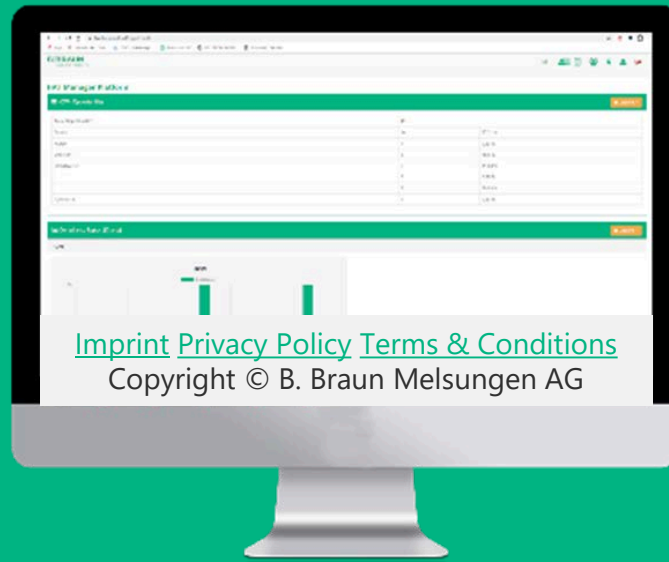
Same content for the Web-Admin-Tool and the mobile APP. At first-time login Data Privacy and Terms & Conditions must be accepted.
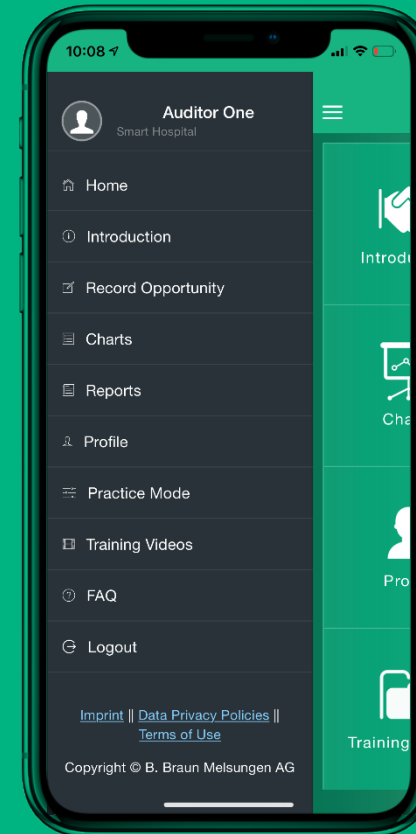
# Transparency

Institutional Managers can download all data that is stored for their Institution

| ID | ACTIVE | USERNAM E | DECRYPTED EMAIL | COMPANY | GROUP NAME | FULL NAME | DATE REGISTERED | EXPIRATION DATE | COUNTRY NAME | COUNTRY CODE | OBSERVATION DATE REGISTERED | TARGET OBSERVATION | OBSERVATIONS MADE | BALANCE | START DATE | END DATE |
|----|--------|-----------|-----------------|---------|------------|-----------|-----------------|-----------------|--------------|--------------|------------------------------|--------------------|-------------------|---------|------------|----------|
| 964 | 1 | Test1 | | B. Braun Medical AG (BBMCH) | Institution Manager | Test7 | Oct, 27 2019 01:14 PM | Dec 31, 2020 | | | 2019-10-30 13:03:06 | | 0 | 0 | 0 | |
| 962 | 1 | Test2 | | B. Braun Medical AG (BBMCH) | Institution Manager | Test8 | Nov, 05 2019 04:52 PM | Dec 31, 2020 | | | 2019-12-16 10:28:09 | | 0 | 0 | 0 | |
| 954 | 1 | Test3 | | B. Braun Medical AG (BBMCH) | Institution Manager | Test9 | Aug, 21 2019 08:55 AM | Dec 31, 2020 | | | 2020-05-12 07:29:59 | | 0 | 0 | 0 | |
| 953 | 1 | Test4 | | B. Braun Medical AG (BBMCH) | auditor | Test10 | Aug, 16 2019 09:45 PM | Dec 31, 2020 | | | | | 0 | 0 | 0 | |
| 952 | 1 | Test5 | | B. Braun Medical AG (BBMCH) | auditor | Test11 | Aug, 16 2019 09:44 PM | Dec 31, 2020 | | | | | 0 | 0 | 0 | |
| 951 | 1 | Test6 | | B. Braun Medical AG (BBMCH) | auditor | Test12 | Dec, 16 2019 05:26 PM | Dec 31, 2020 | | | 2020-07-07 15:23:52 | | 0 | 0 | 0 | |

| Date & Time | Auditor | Location | HEALTHCARE WORKER Title | MOMENT 1 | 2 | 3 | 4 | 5 | Action | Result | OCCUPATIONAL Exposure | GLOVES | Risk | GOWN | MASK | Mask Type | Notes |
|-------------|---------|----------|-------------------------|----------|---|---|---|---|--------|--------|-----------------------|--------|------|------|------|-----------|-------|
| 2020-01-07 15:39:38 | Test | Desk \ Aisle | Nurse | 1 | | | | | rub | PASSED | - | YES | - | - | - | - | |
| 2020-04-07 12:56:12 | Test | Desk \ Window | Doctor | | | 3 | | | rub | PASSED | - | - | - | - | - | - | |
| 2020-04-07 12:56:18 | Test | Desk \ Window | Doctor | | | | | 5 | missed | FAILED | - | - | - | - | - | - | |
| 2020-04-07 12:56:25 | Test | Desk \ Window | Doctor | | | | 4 | | wash | PASSED | - | - | - | - | - | - | |

| | Moment 1 | | | Moment 2 | | | Moment 3 | | | Moment 4 | | | Moment 5 | | |
|--|----------|--|--|----------|--|--|----------|--|--|----------|--|--|----------|--|--|
| | Passed | Total | % | Passed | Total | % | Passed | Total | % | Passed | Total | % | Passed | Total | % |
| Nurse (ID 253) | 4 | 5 | 80% | 4 | 4 | 100% | 5 | 5 | 100% | 3 | 5 | 60% | 1 | 1 | 100% |
| Doctor (ID 252) | 0 | 0 | 0% | 1 | 1 | 100% | 1 | 2 | 50% | 2 | 2 | 100% | | 2 | 0% |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

# Data Security

The application is served via HTTPS to ensure integrity and confidentiality of data between the user's computer and the site.

The login system flags a user account and locks the account after several failed login attempts. It Is currently configured to 5 attempts.

After 15 minutes idle time (no activity on the Web-Admin-Tool) the user is logged off automatically.

Email address of the user field is stored encrypted in the database.

Administrators (Employees from B. Braun) can set up and edit accounts for institutions and users. Recorded HH-compliance data or locations is inaccessible for B. Braun employees.

# Interested?

Please contact
hat-service@bbraun.com