Automated compliance and documentation of hygiene standards in hospitals

Change Driver

The management team of a psychiatric hospital is looking for a way to document the frequency and duration of hand disinfections by its nurses within the framework of "DIN EN 1500 - hygienic hand disinfection."

In order to be compliant with the hygiene standards in clinics, employees should disinfect their hands every 2 hours for 2 minutes. However, as this may be forgotten during daily work routines, or not carried out according to the duration specified in the standard, a solution was sought which would enable all parties involved, (i.e. caregivers and clinic management) to comply with DIN.
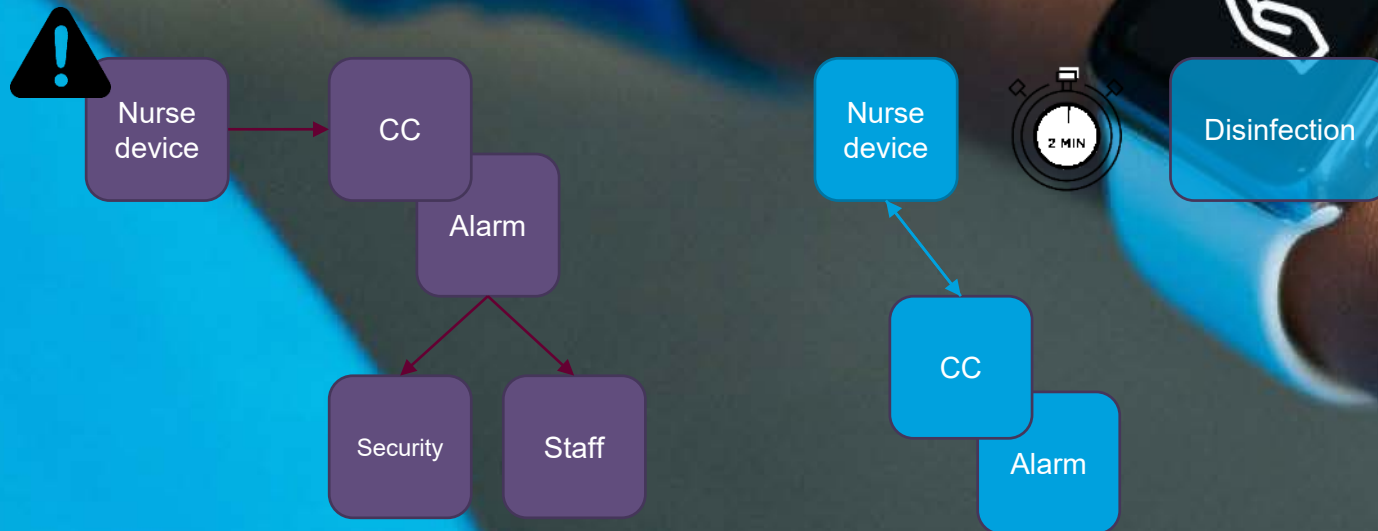
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3 areas of application

Alarming in case of attack	Recording of disinfections	Disinfection reminder

Alarming in case of attack:
- Nurse device → CC → Alarm → Security / Staff

Recording of disinfections:
- Nurse device ↔ CC → Alarm
- 2 MIN → Disinfection

Damovo Approach

During a workshop with the customer, a concept for fulfilling the documentation obligation was developed, which actually then solved further management challenges around caregiver security.

Avaya's multichannel contact centre was also additionally equipped with an alarm server and linked to the IP-enabled pagers and wristwatches worn by the hospital staff.

As soon as a nurse stands in the immediate vicinity of a disinfection dispenser for more than 2 minutes, the system registers a valid disinfection. If the nurse exceeds the interval of 2 hours until the next disinfection, they receive a reminder to disinfect on one of their wearables.

The solution built by Damovo also serves as an alarm if a caregiver is attacked. An abrupt discarding of the wristwatch triggers an alarm that is transmitted to the call centre – giving the location of the attacked person. From there help can be sent.

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How the **hospital management** benefits

With the help of our solution, hospital management can track when every nurse has disinfected their hands and thus provide clear documentation in accordance with ISO standards.

In addition, the hospital management ensures that the nursing staff can immediately request help in the event of an attack and that all necessary people are automatically alerted.

How the **nursing staff** benefits

The nursing staff of the hospital benefit from the fact that they do not have to constantly think about disinfecting their hands, but are automatically reminded of this by the alarm system.

In addition, the security inside the clinic building is increased for the employees.