

VERIFY

Drug Scanning + Clarification Tool



RESEARCH

4 Days
28 Call-outs
25 Interviews

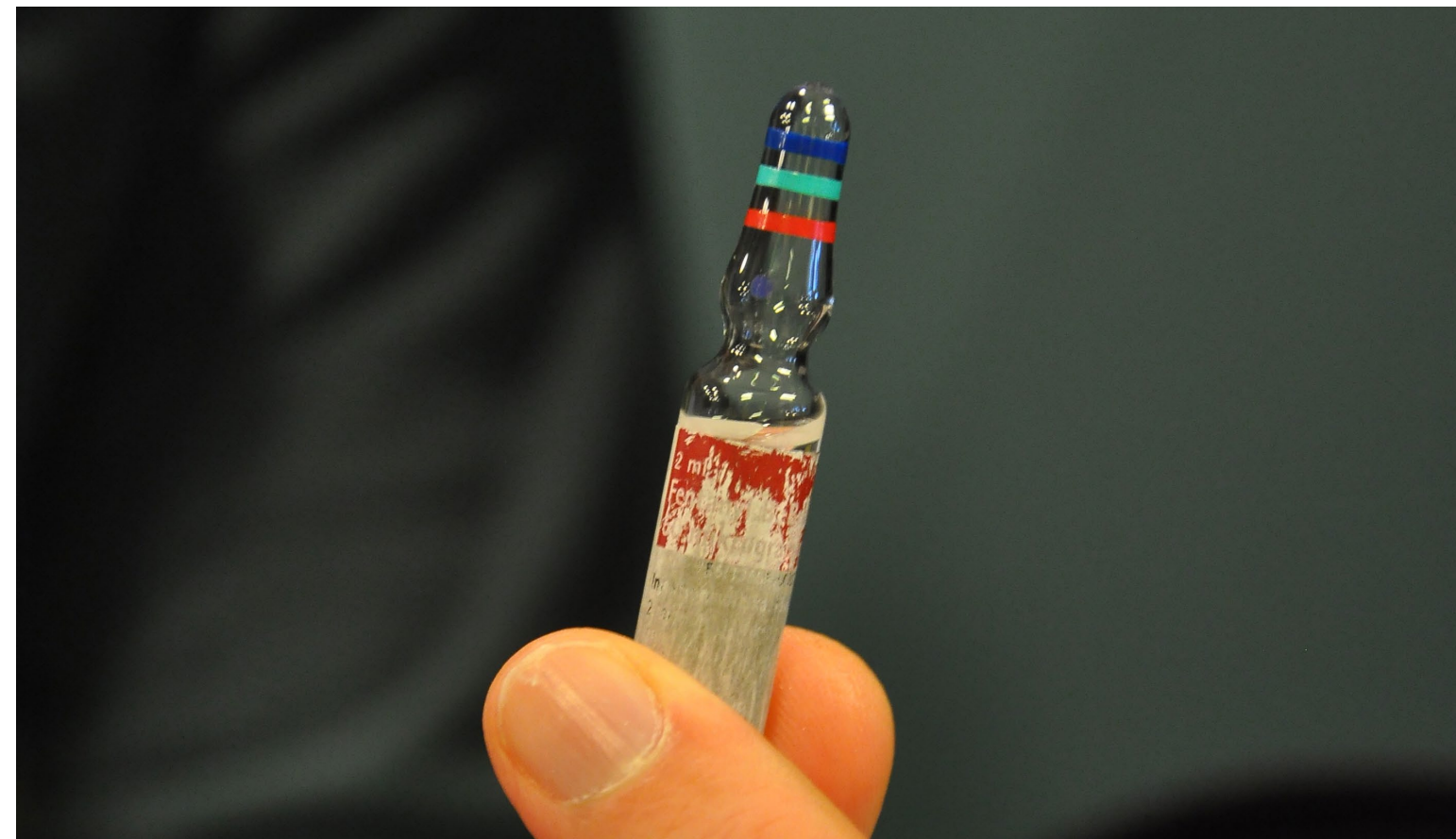


Umea Ambulance Station, Sweden

KEY INSIGHTS (MEDICINE)



1. Same Drug Different labels

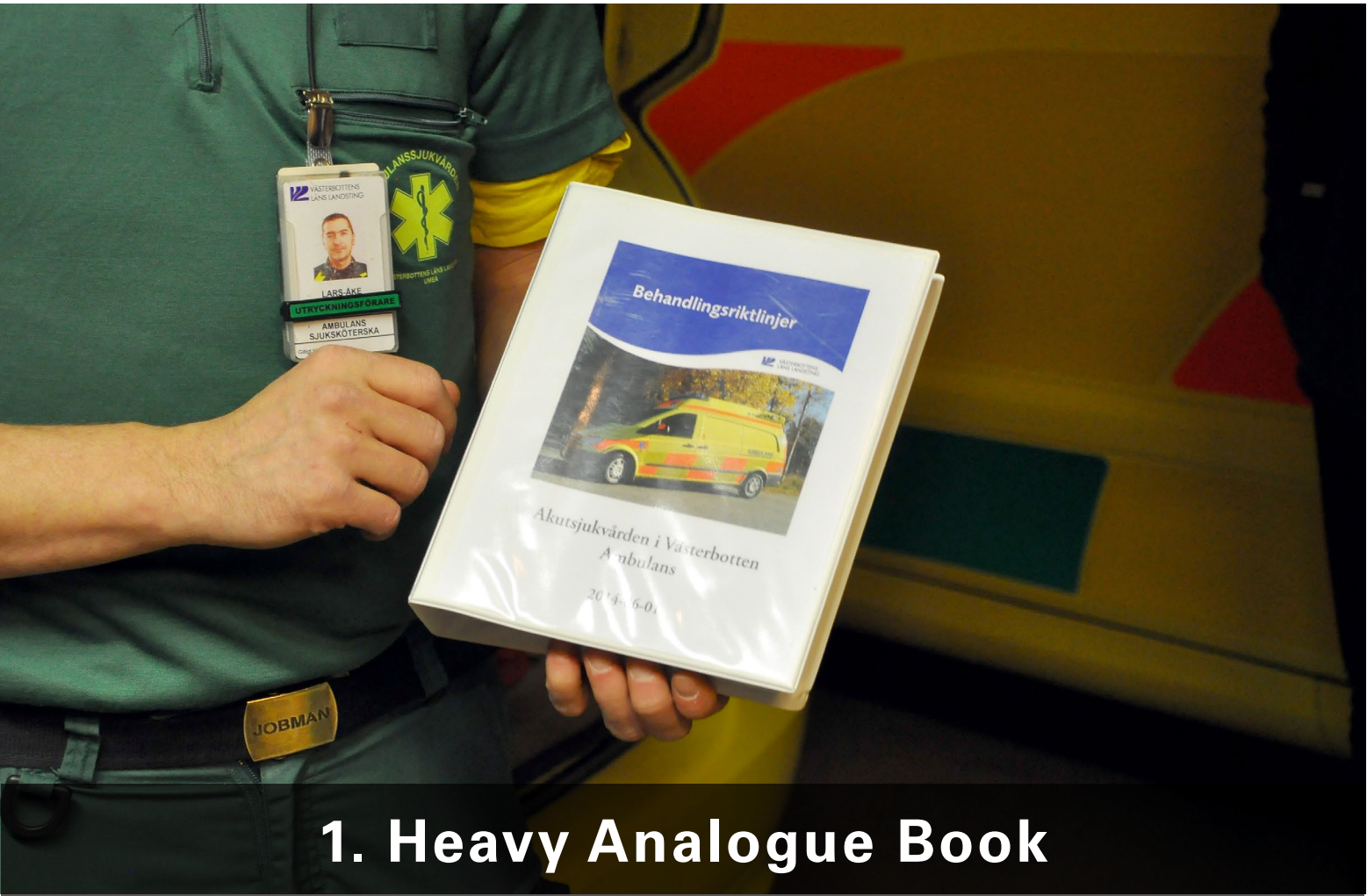


2. Worn Labels

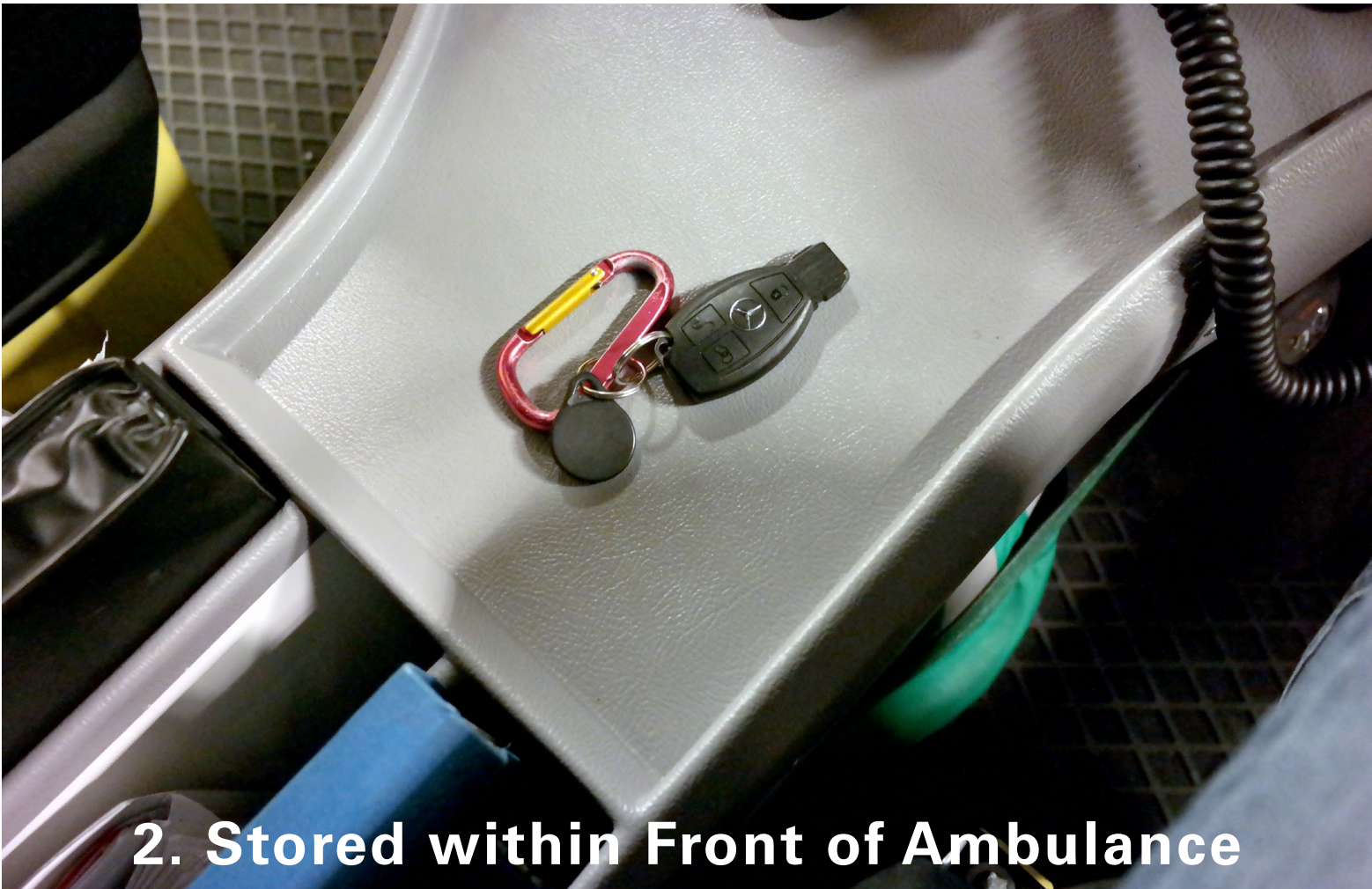


3. Transparent Background

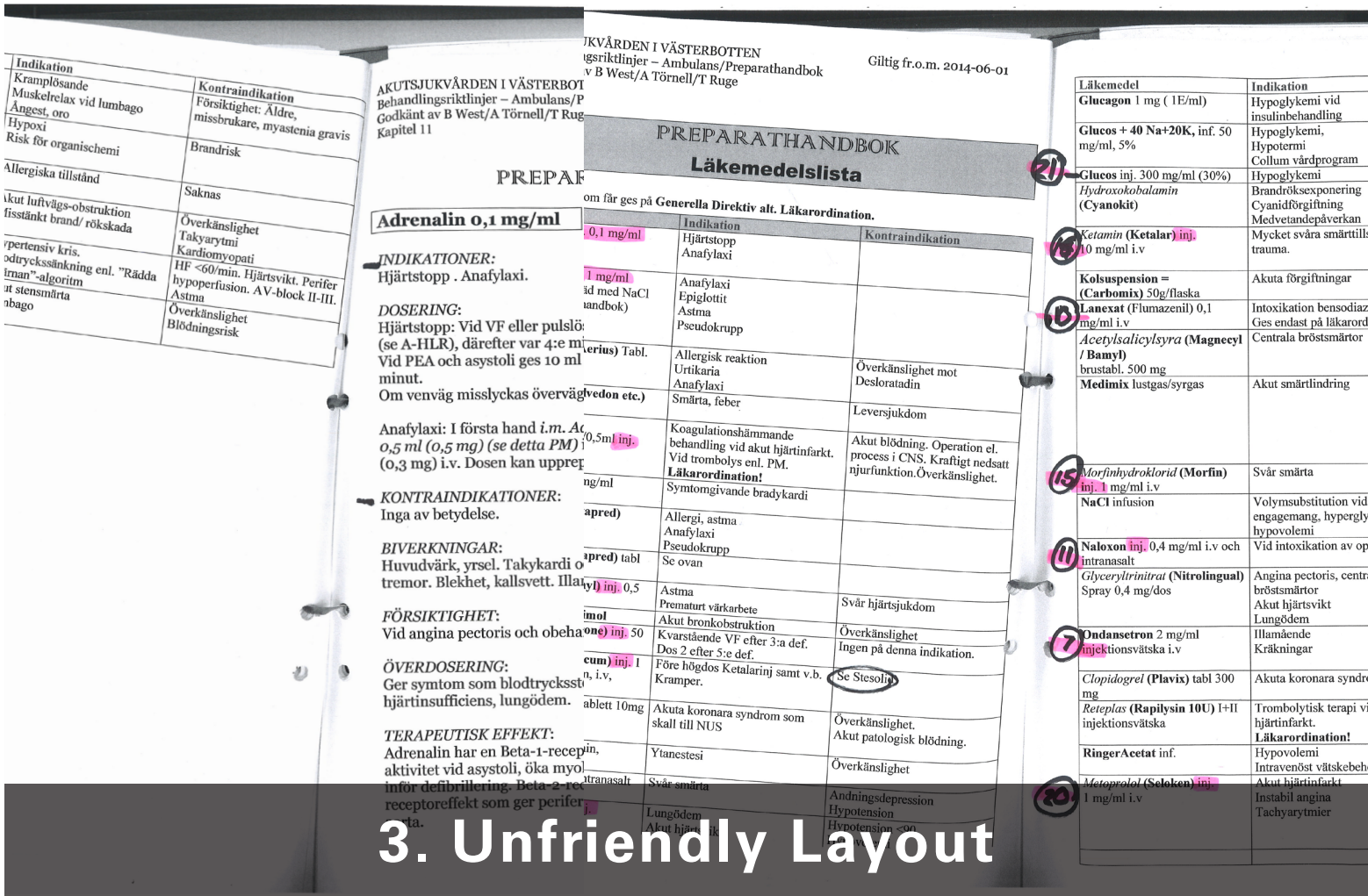
KEY INSIGHTS (TREATMENT GUIDELINES)



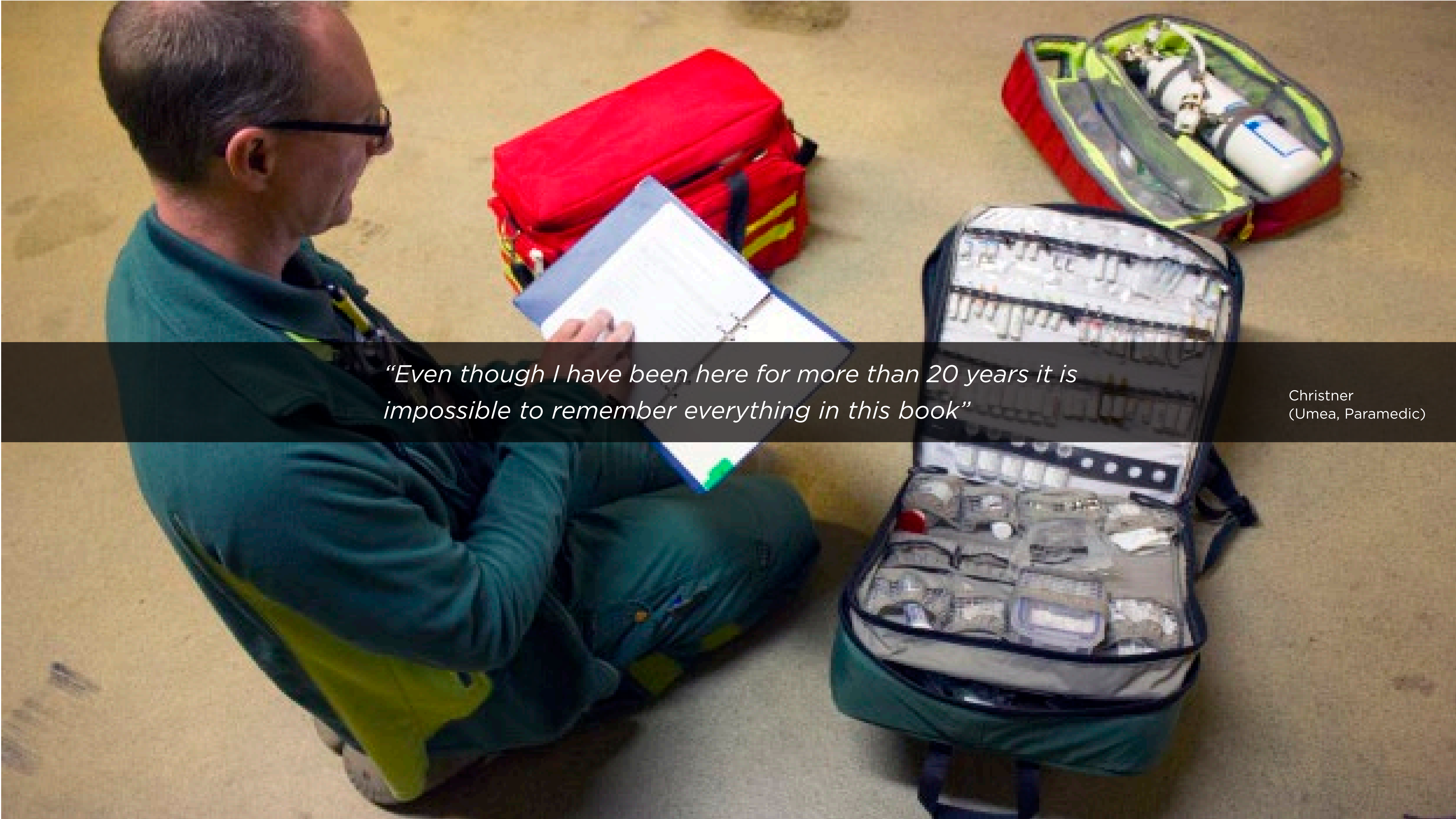
1. Heavy Analogue Book



2. Stored within Front of Ambulance



3. Unfriendly Layout

A paramedic in a teal uniform and glasses is sitting on a light-colored floor. He is holding a blue clipboard with a white sheet of paper and looking at it. Next to him is a large, open medical bag filled with various medical supplies, including syringes, vials, and other equipment. A red medical bag is also visible in the background.

“Even though I have been here for more than 20 years it is impossible to remember everything in this book”

Christner
(Umea, Paramedic)

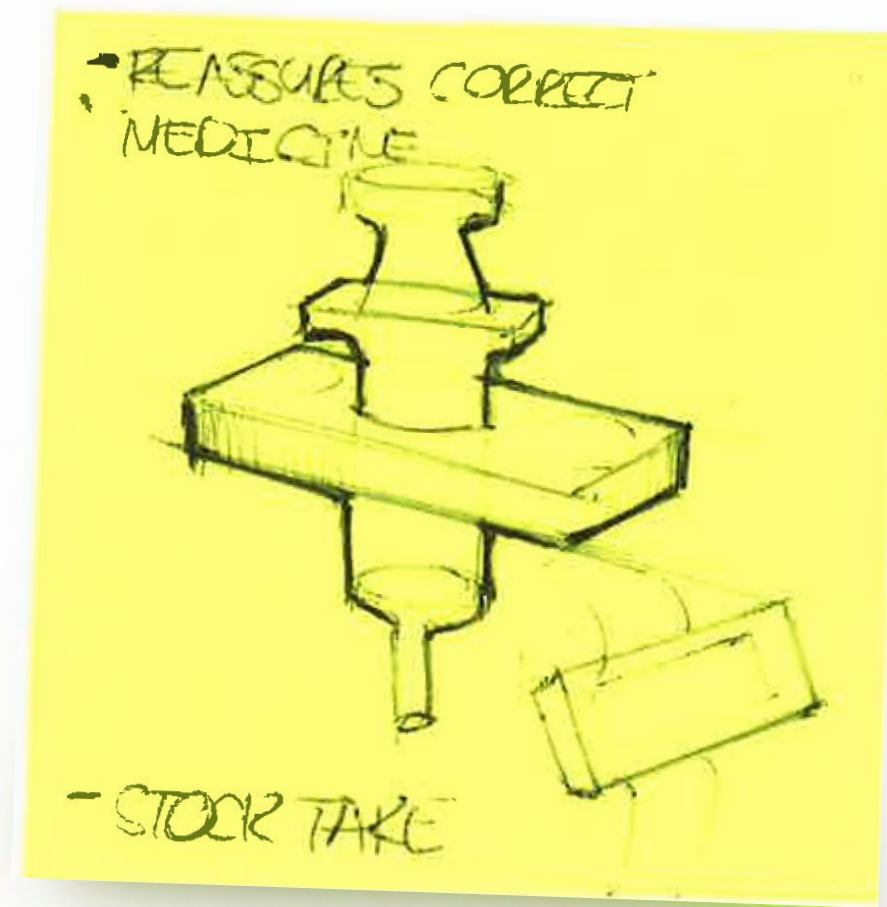
KEY INSIGHTS (RECORDING TREATMENT)

Paramedics are required to manually log patients treatment information and record drug usage into a inventory system in highly stressful situations



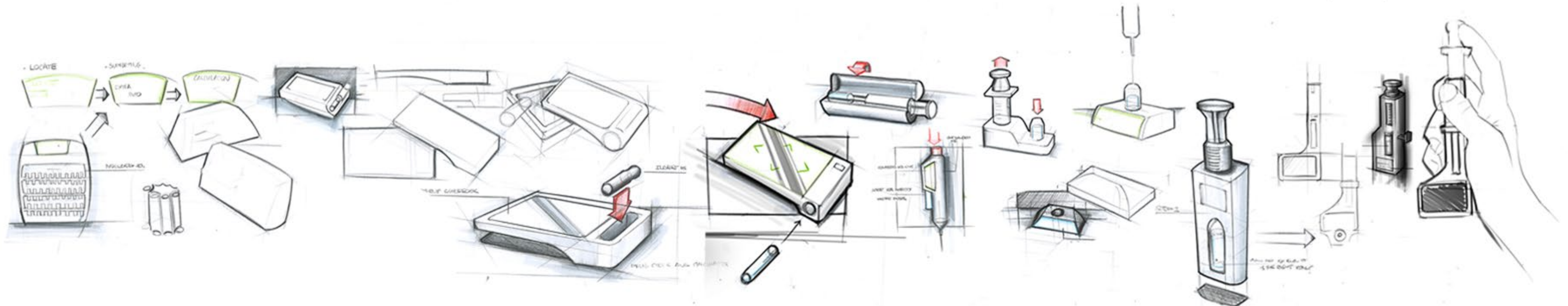
BRAINSTORMING + IDEATION

“A common mistake in the prehospital setting is selecting the wrong medication”



Goals + Wishes

- Prevent medication error due to poor labeling
- Make supporting drug information more accessible
- Improve drug tracking and recording
- Provide the Paramedics with reassurance



Medicine Bag Compartment

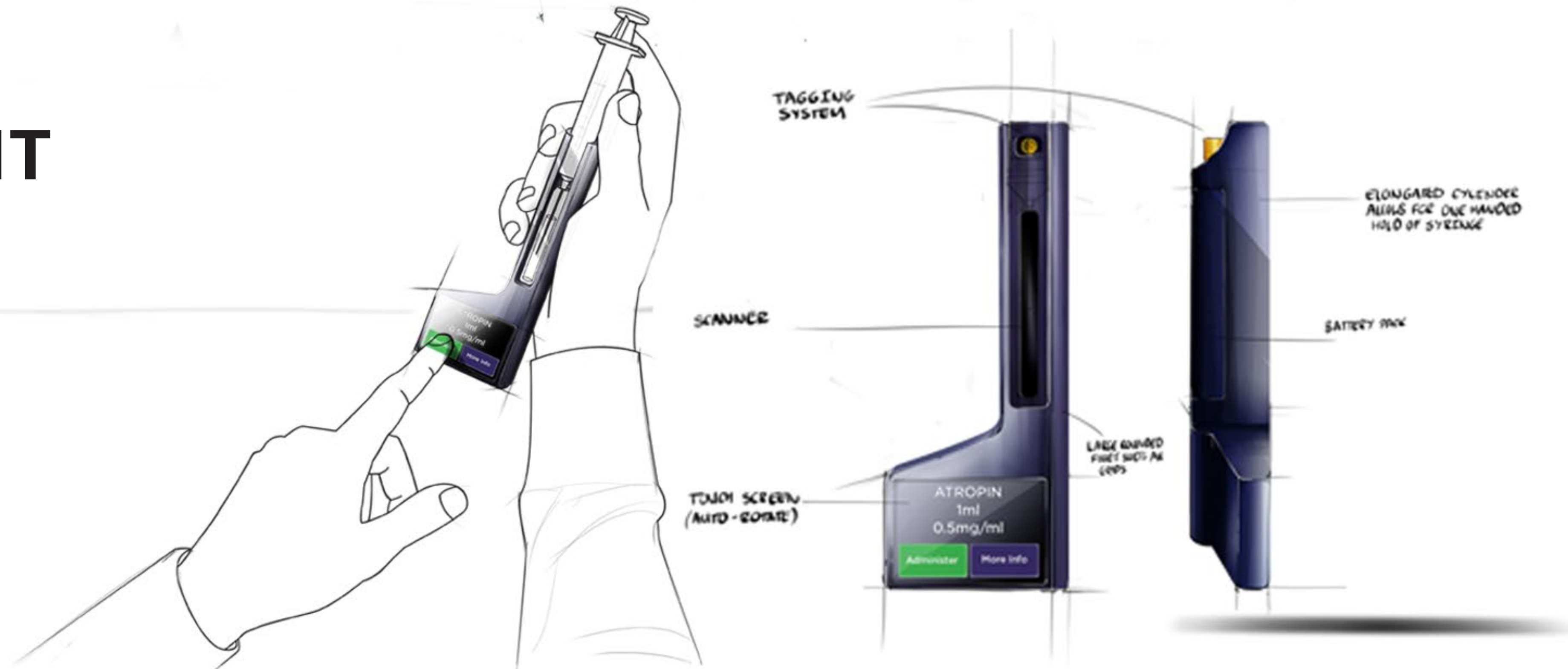
Detachable Reader

Smart Syringe

Med Scanner

Hand-held Device

CONCEPT DEVELOPMENT

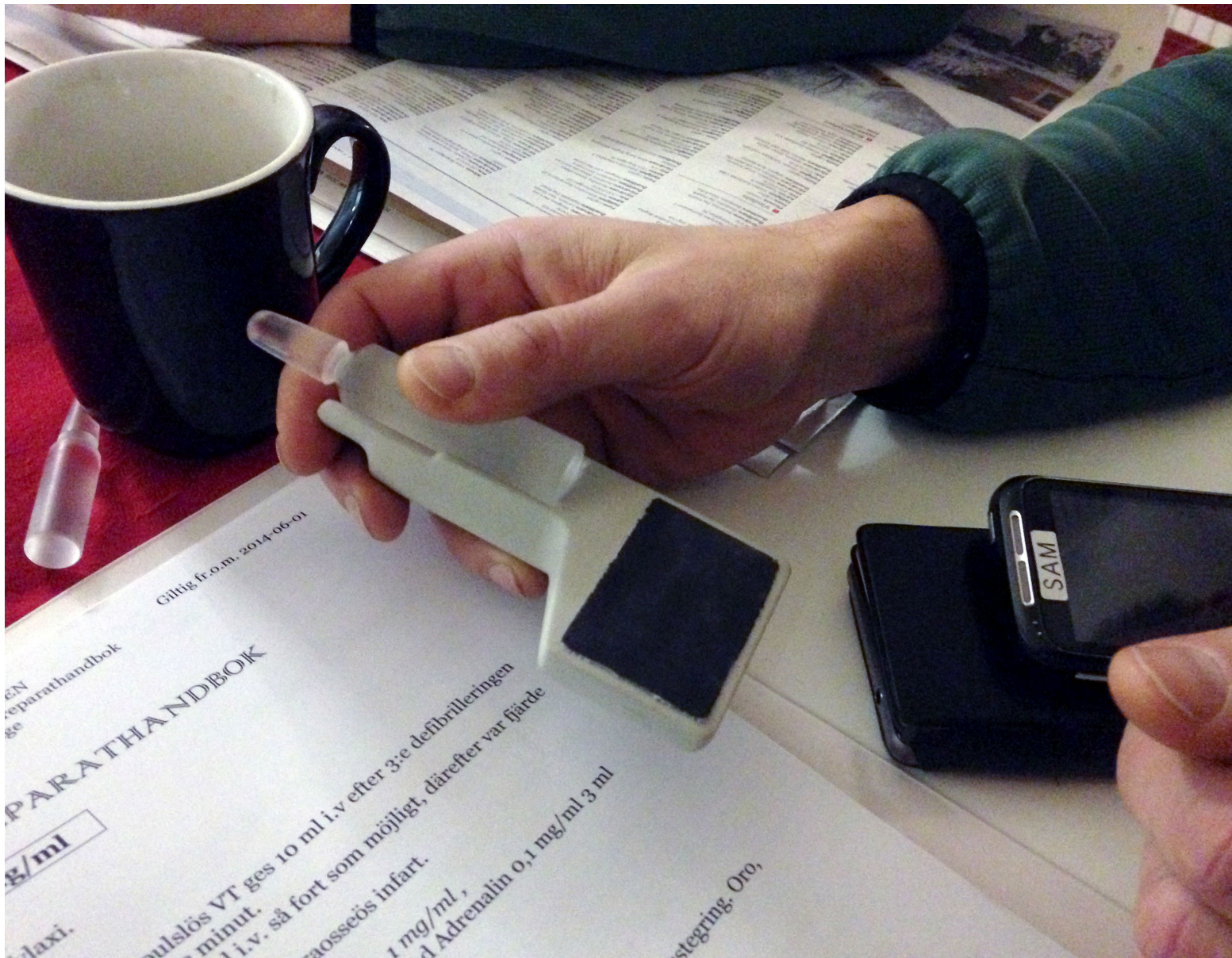


MAKE, MAKE, MAKE



TESTING

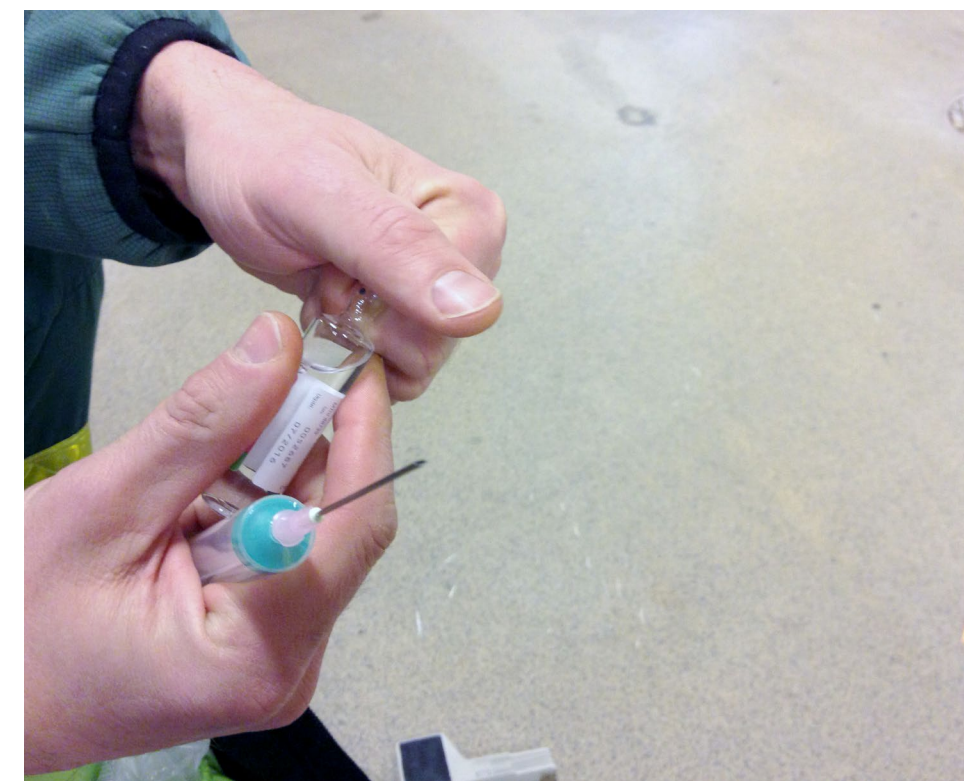
Mock-ups were taken to the paramedics several times for testing. Here, foam models were used in a role play situation to help clarify how the product should be stored, what happens when it is not in use (e.g. drawing up) and it's orientation.



stored in med bag



device put to the side



FEEDBACK



1. It's about the info

- 1. Dosage
- 2. Contraindications
- 3. Side Effects
- 4. Cautions
- 5. Log to journal

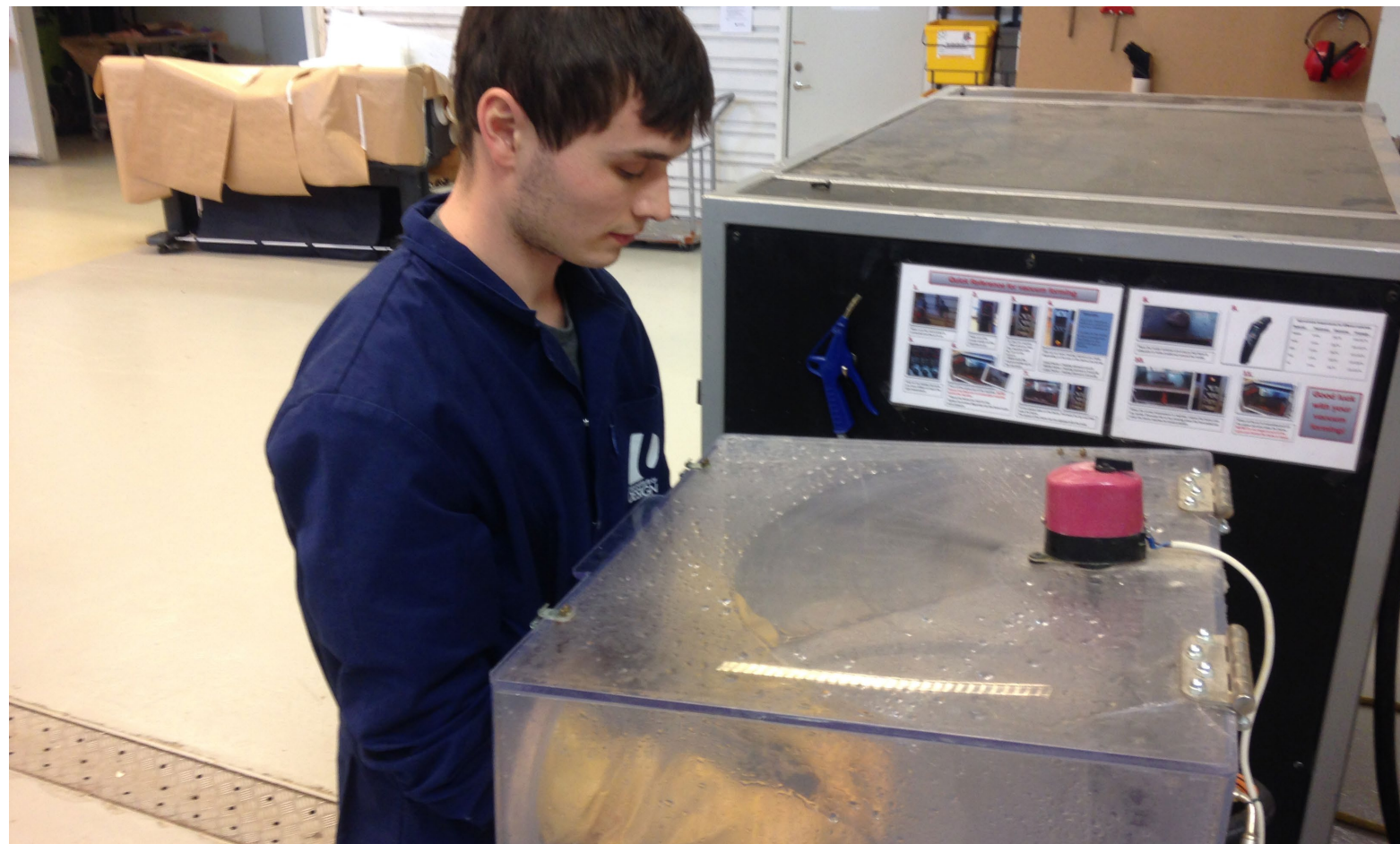
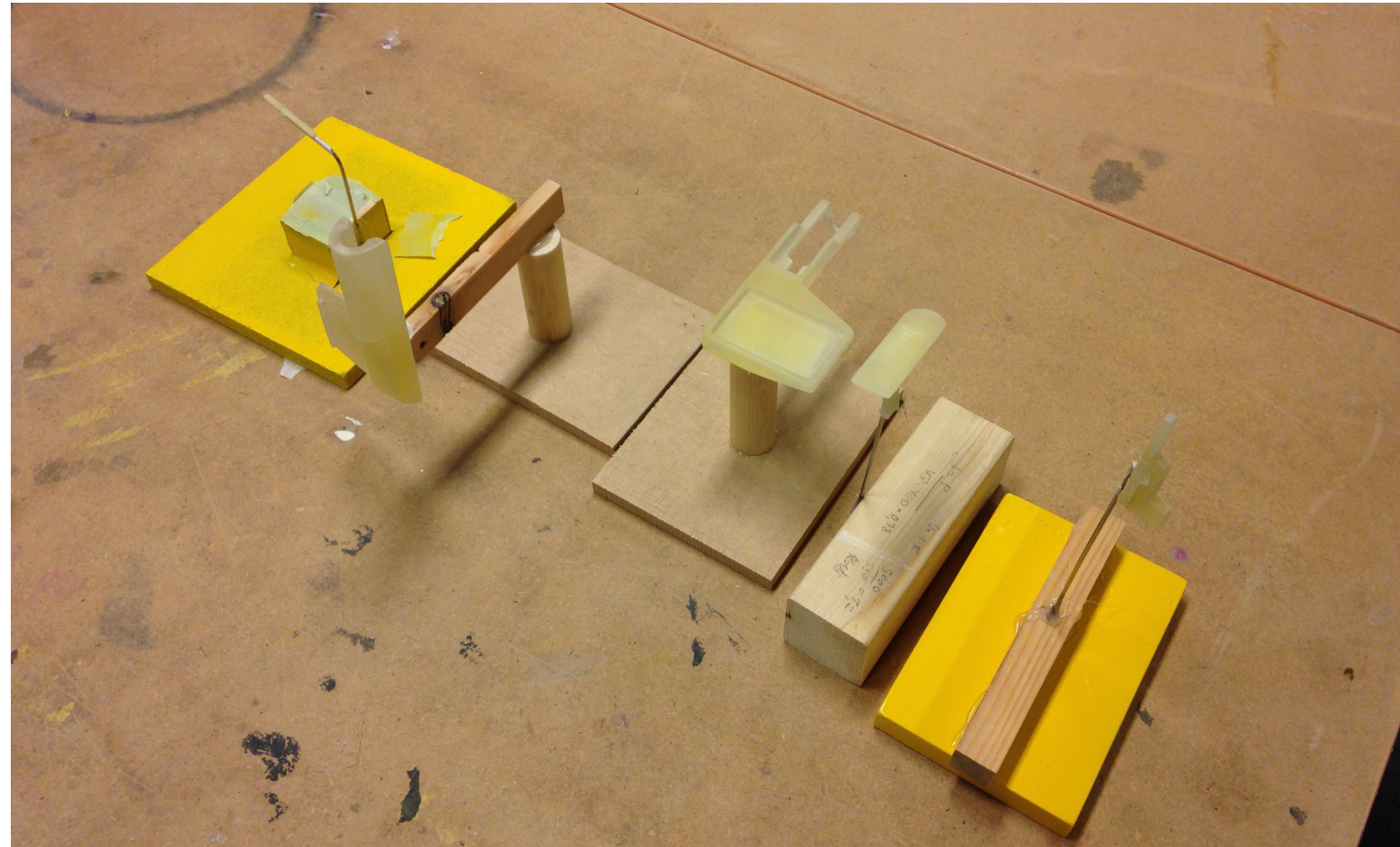
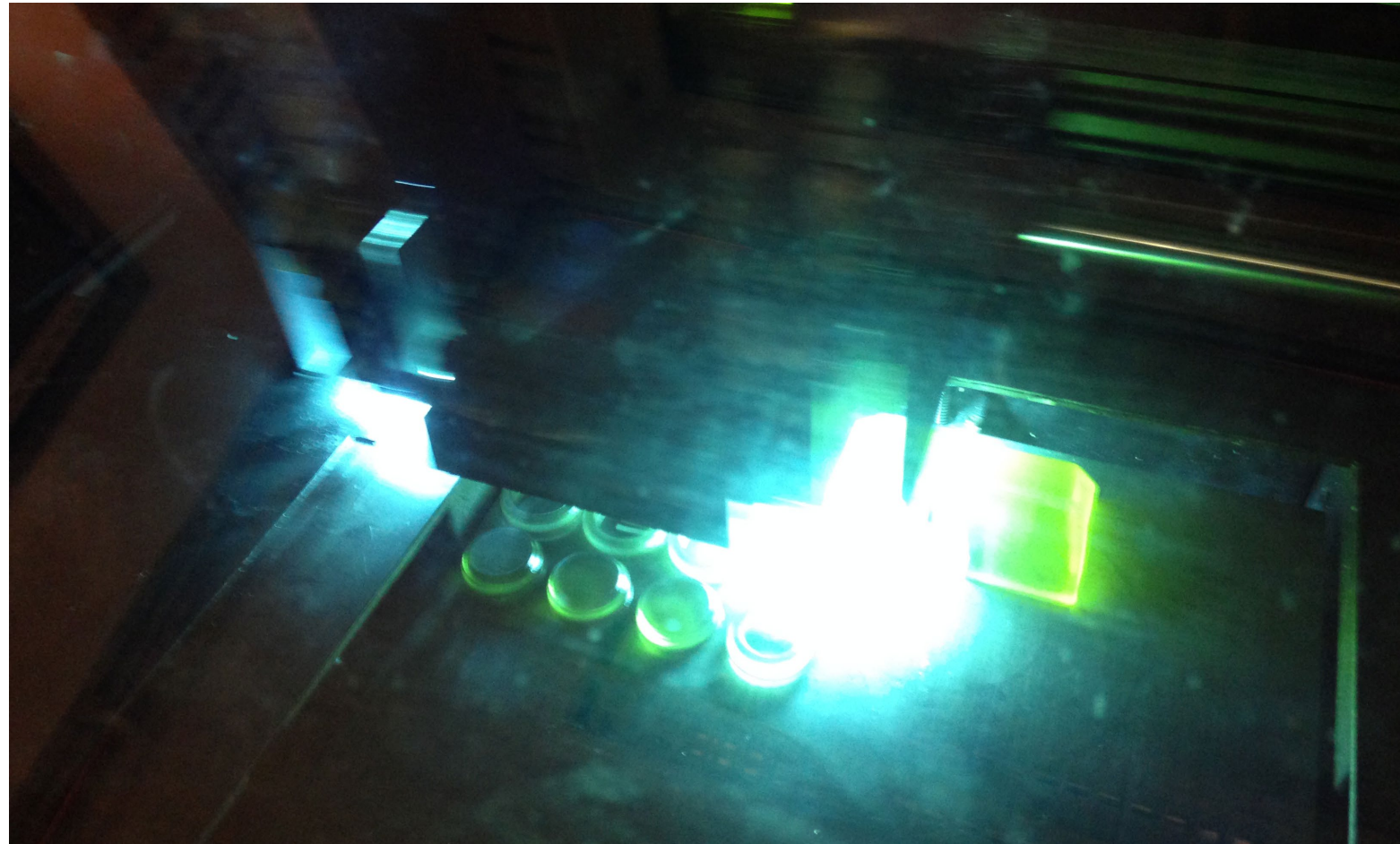


2. Secure the Ampoules



3. Keep it tactile

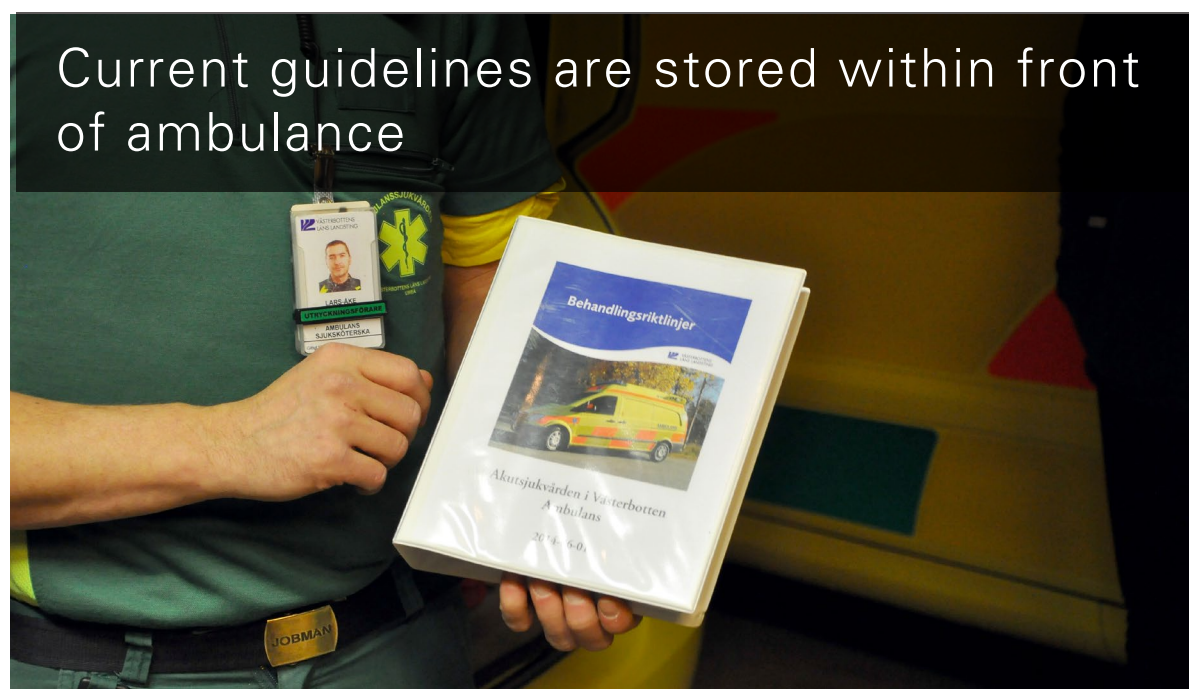
MODEL MAKING



DESIGN FEATURES

1. ALWAYS AVAILABLE

Verity's compact and lightweight design enables it to be stored where it belongs..... within the medicine bag. This allows paramedics to access supporting drug information from any location (e.g. patients apartment) and never risk making uninformed decisions.



2. PREVENTS MEDICATION ERROR

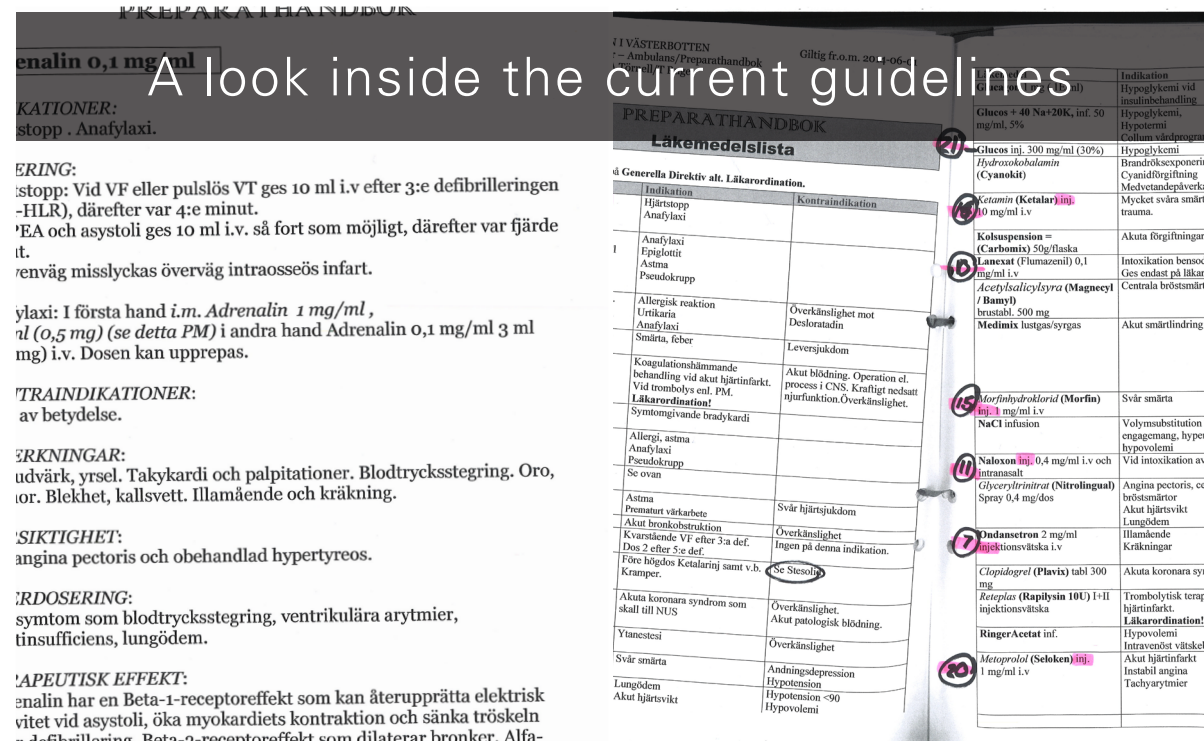
Current drug labels are frustrating and difficult to read, while varying greatly between different manufacturers. Verify detects and emphasizes each ampoule's name, volume and dosage. Ensuring the paramedics intended choice matches the medication being handled.

The same drug with different labeling



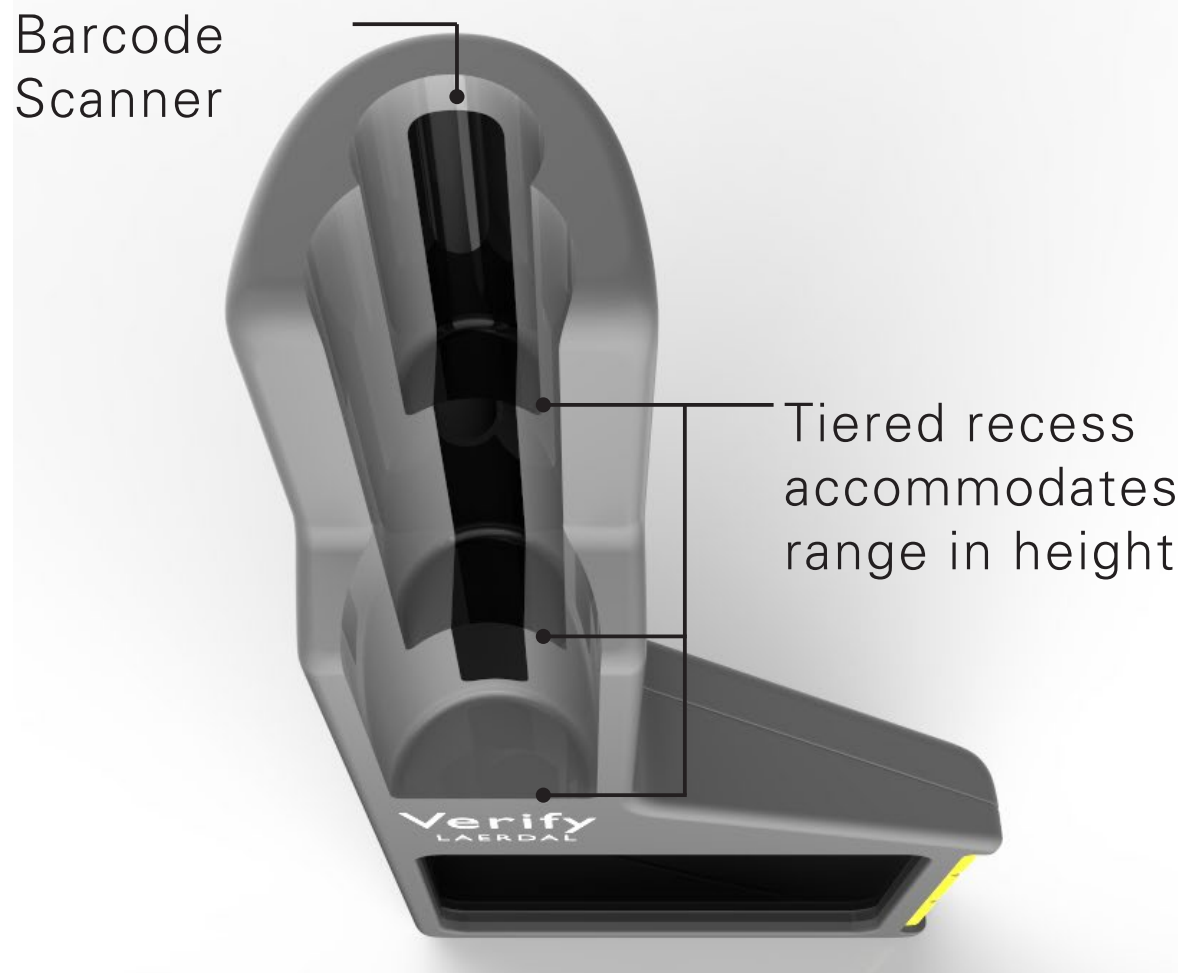
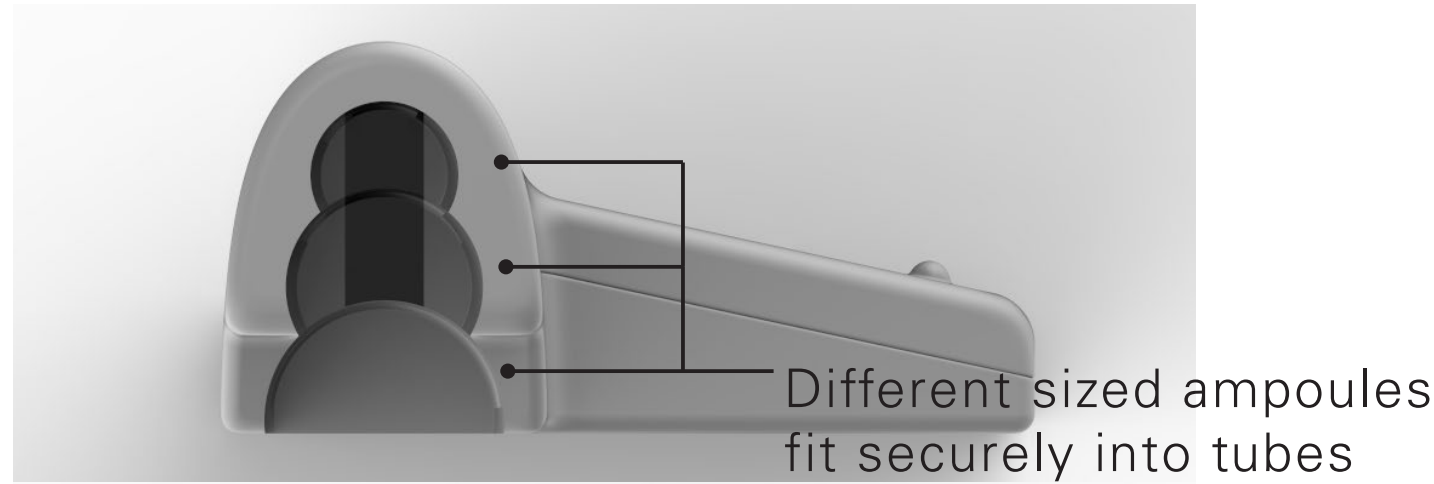
3.ALLOWS INSTANT ACCESS

Verify provides quick access to crucial information surrounding each medicine. Key data from the current treatment guidelines is now easier to understand and streamlined for immediate use when required.



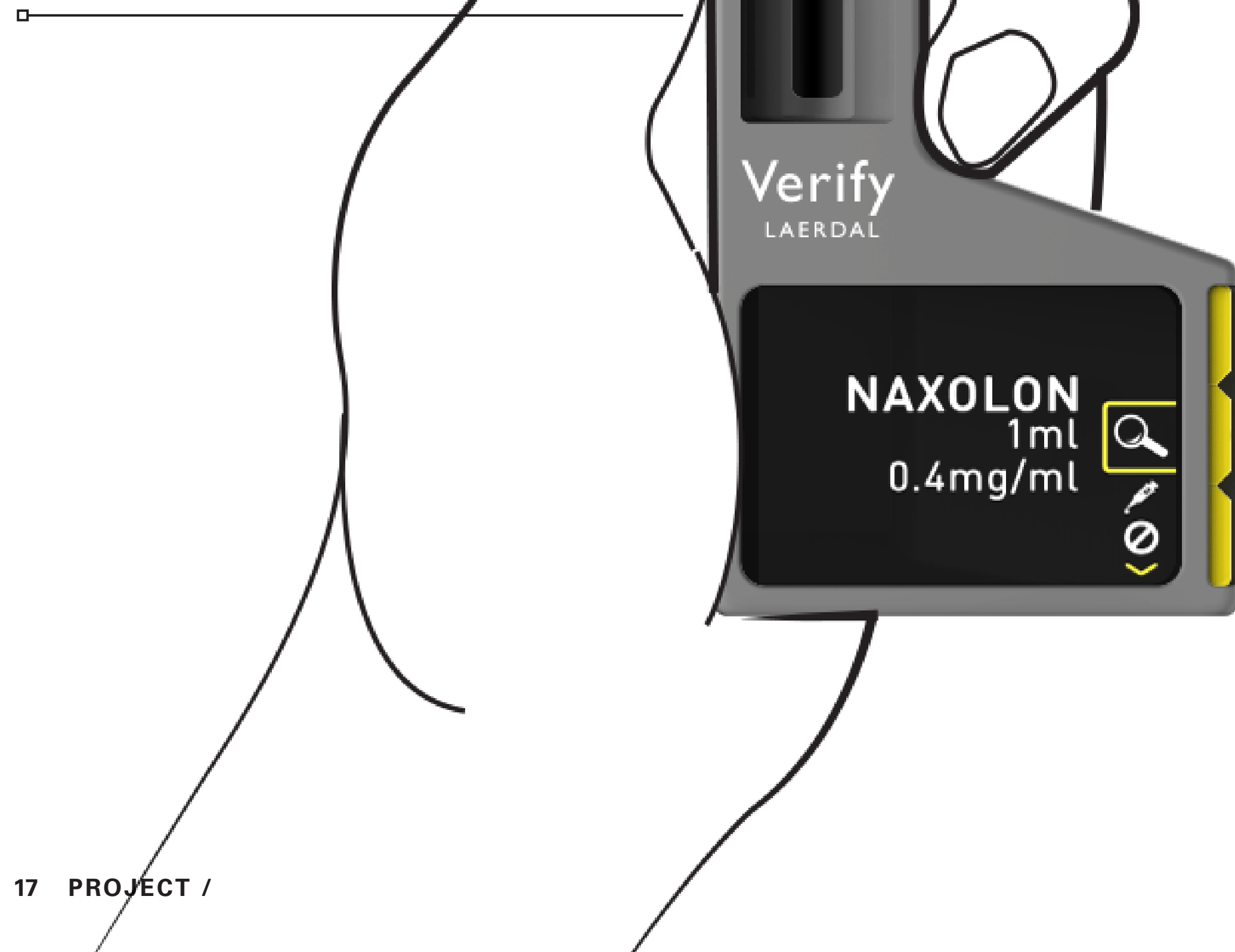
4. ASSISTS WHEN DRAWING UP

Unique detailing allows Verify to securely house a variety of different sized ampoules (ISO 9187-1/2). This protects the fragile glass while creating a firmer and more comfortable grip when snapping off 'sharps' and drawing up medicine (preparing needle and syringe).



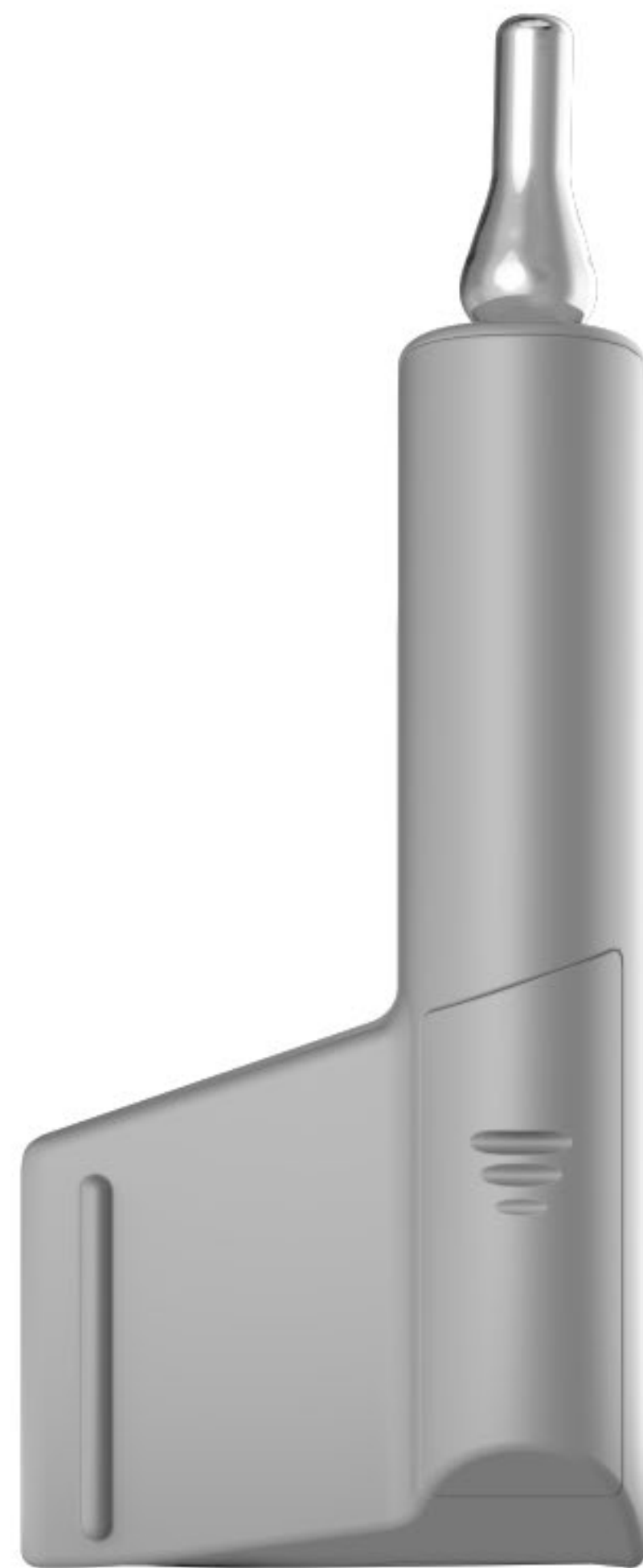
DETAILING

Long edge provides
a comfortable and
secure grip



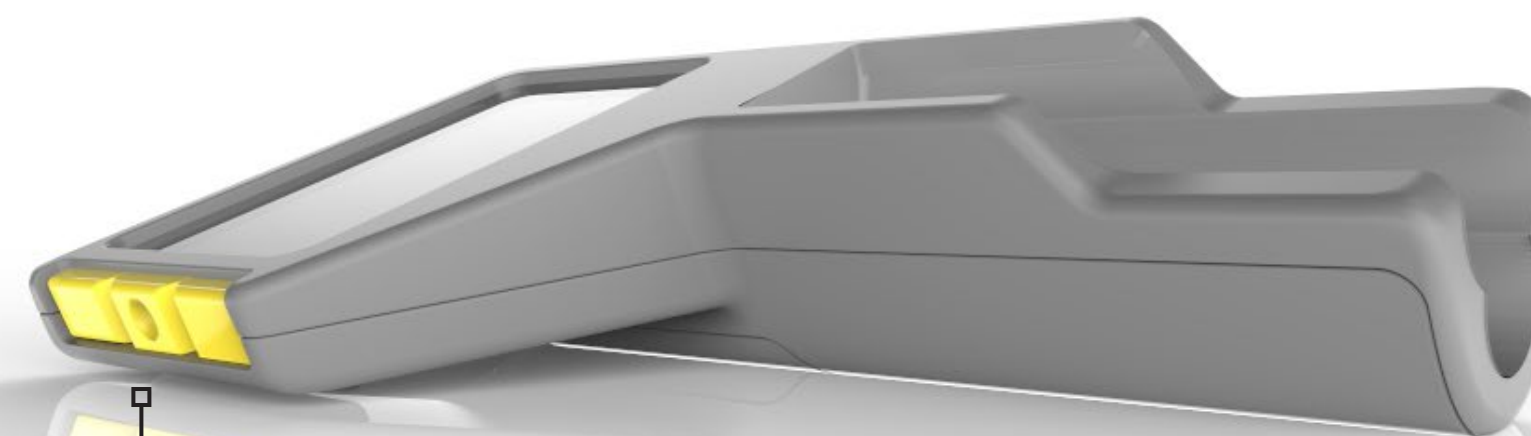
Iconic shape
emphasizes
importance
of ampoules



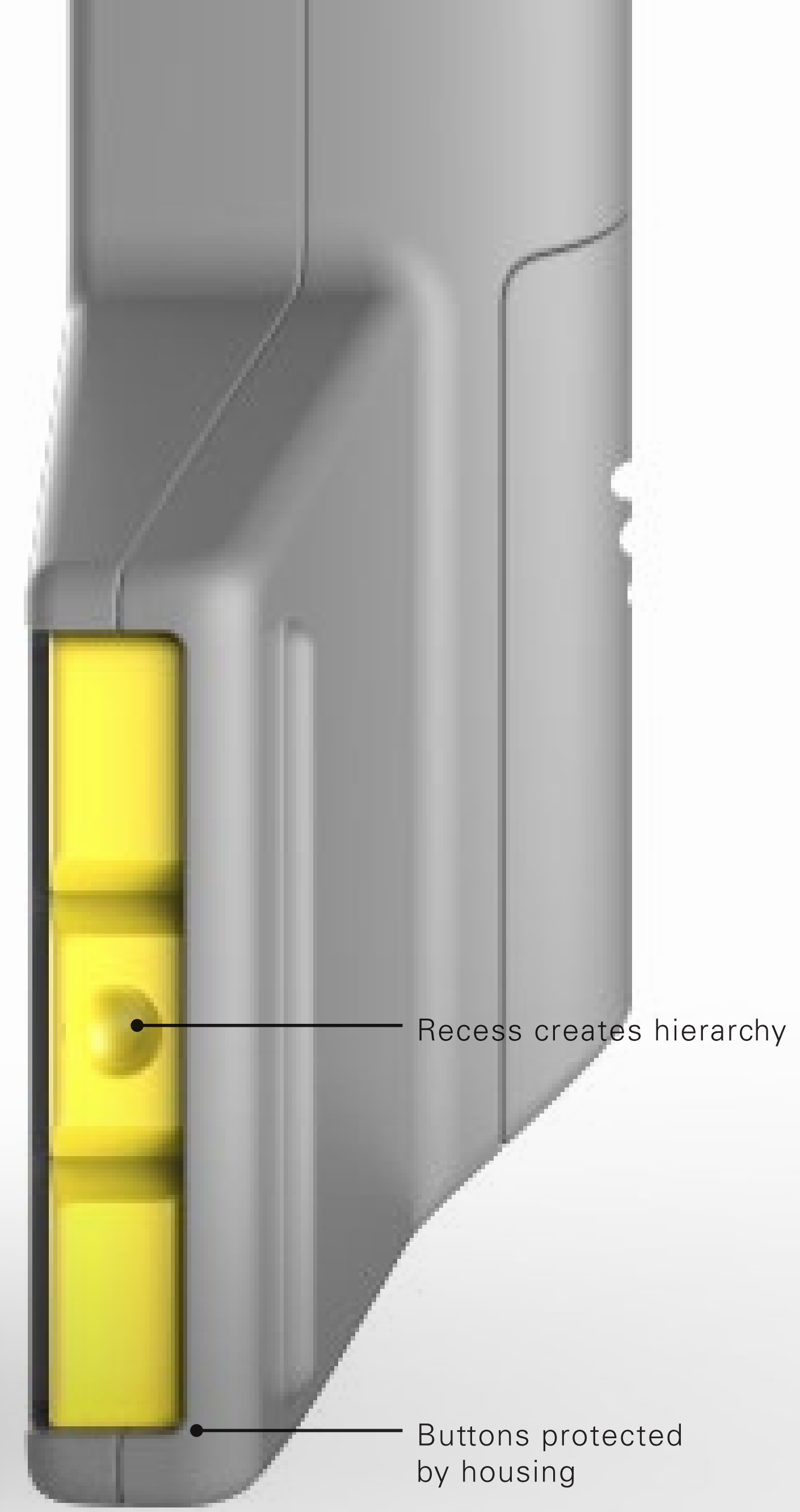


□ Ampoule safely housed

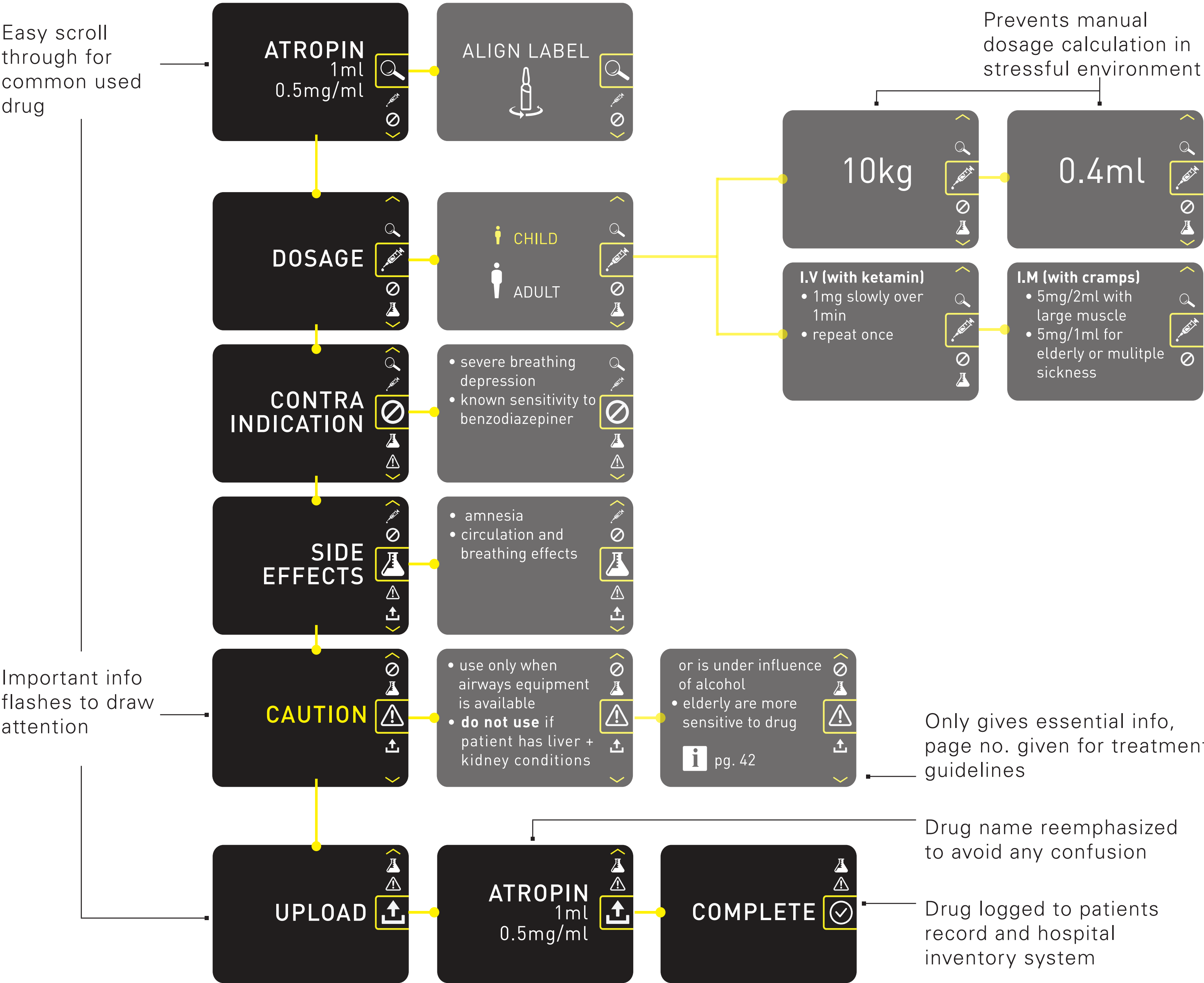
□ Rechargeable battery easily replaced



Exterior ribbing protects body



INFORMATION FLOW



A massive thanks to Umea Paramedics!

