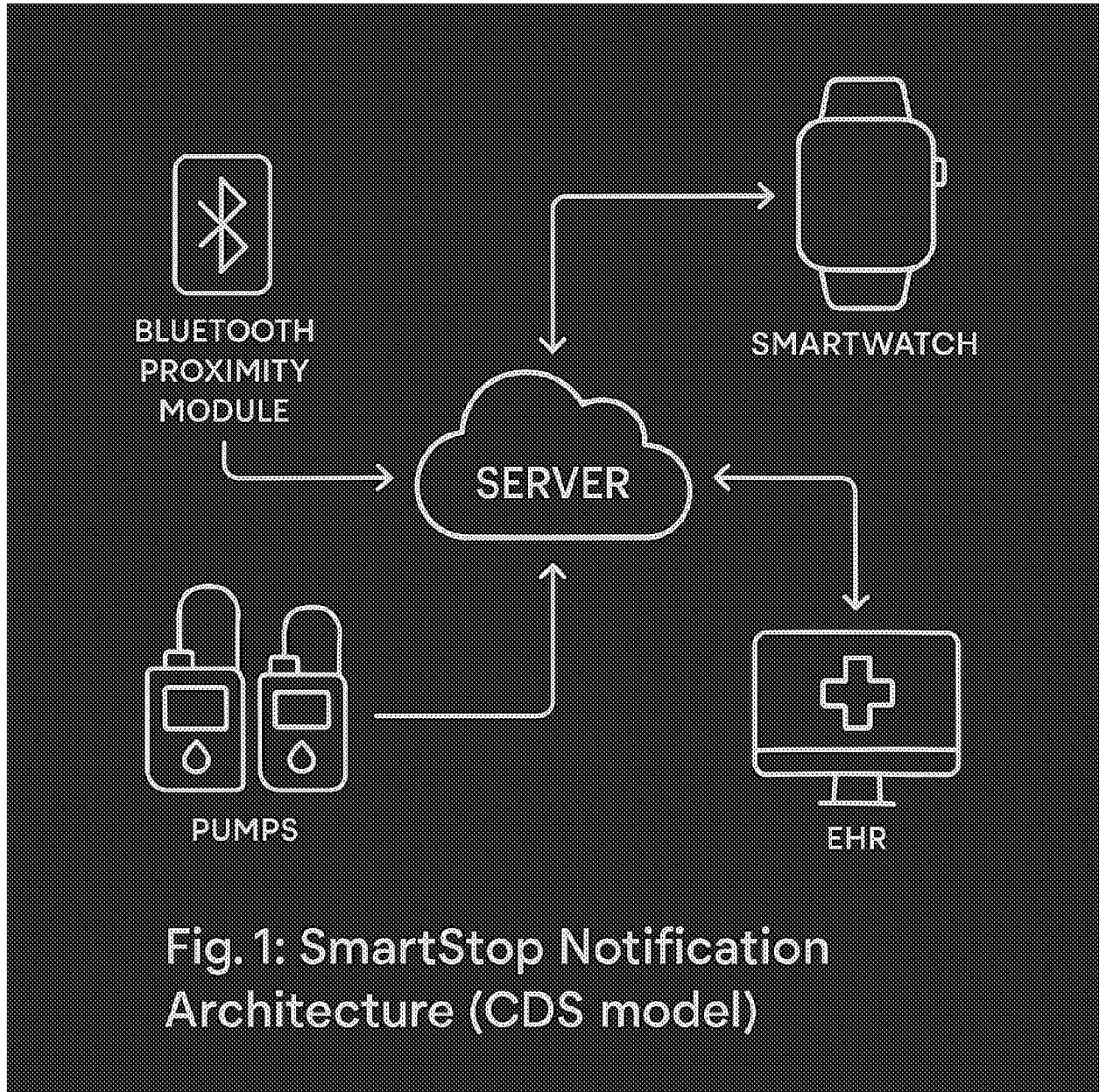


Figures:



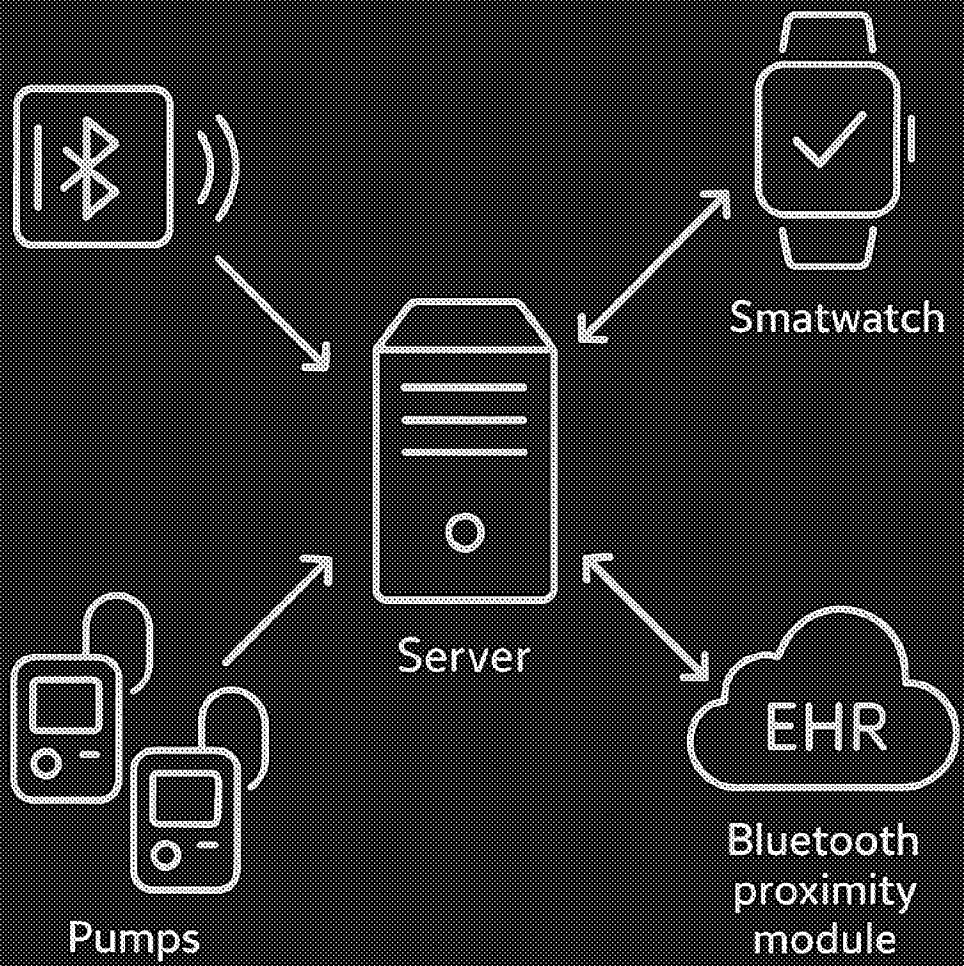
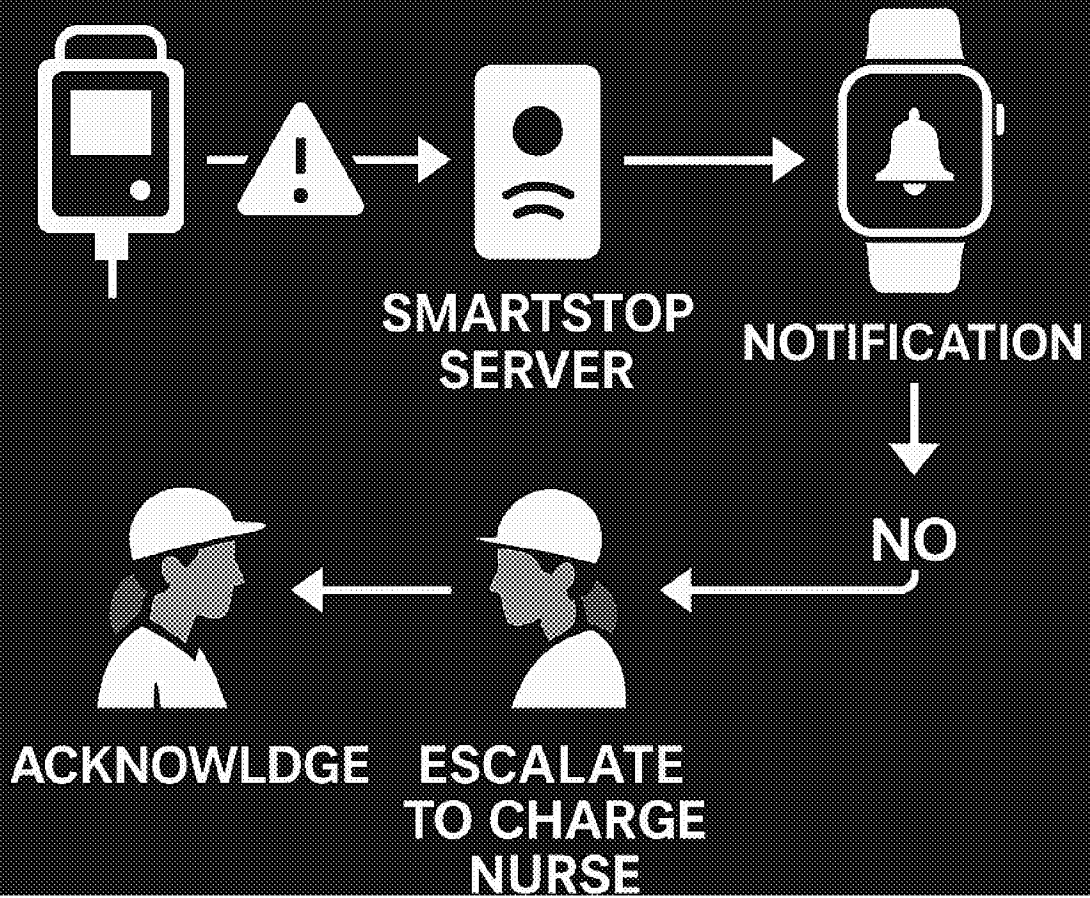


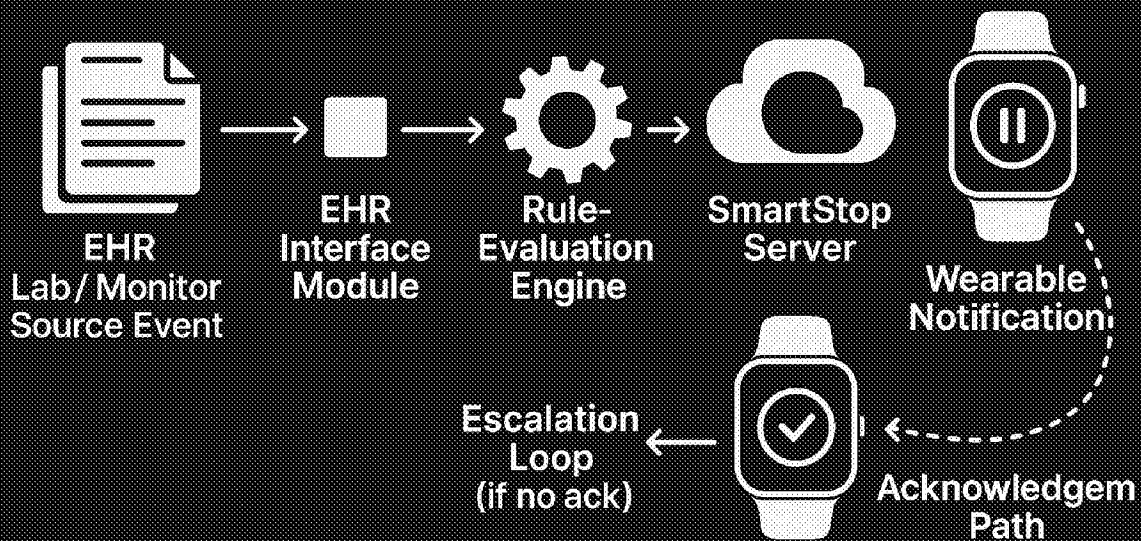
Fig. 1: SmartStop Notification Architecture (CDS model)

FIG. 2

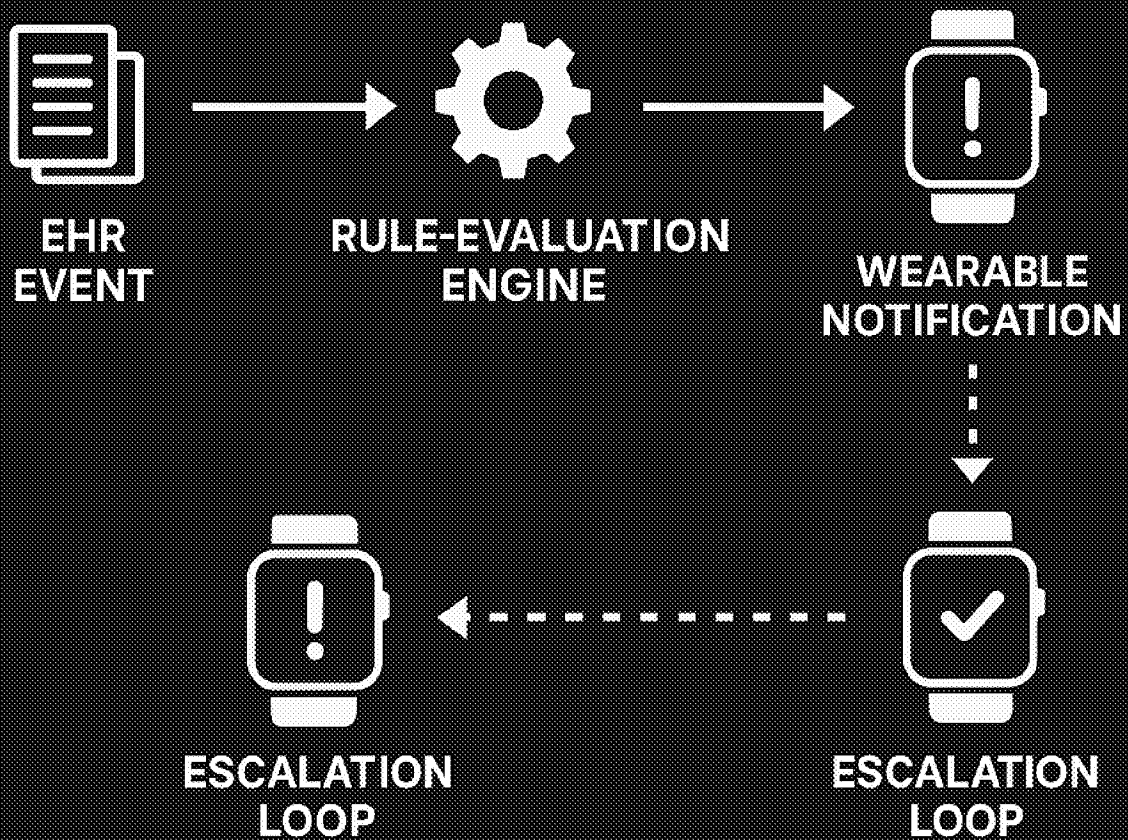
BLUETOOTH PROXIMITY NURSE TRIAGE FLOW



EHR-Event-Triggered Watch-Notification Pipeline



EHR-Event-Triggered Watch-Notification Pipeline



**Fig. 4 – User Acknowledgement
& Audit Trail**

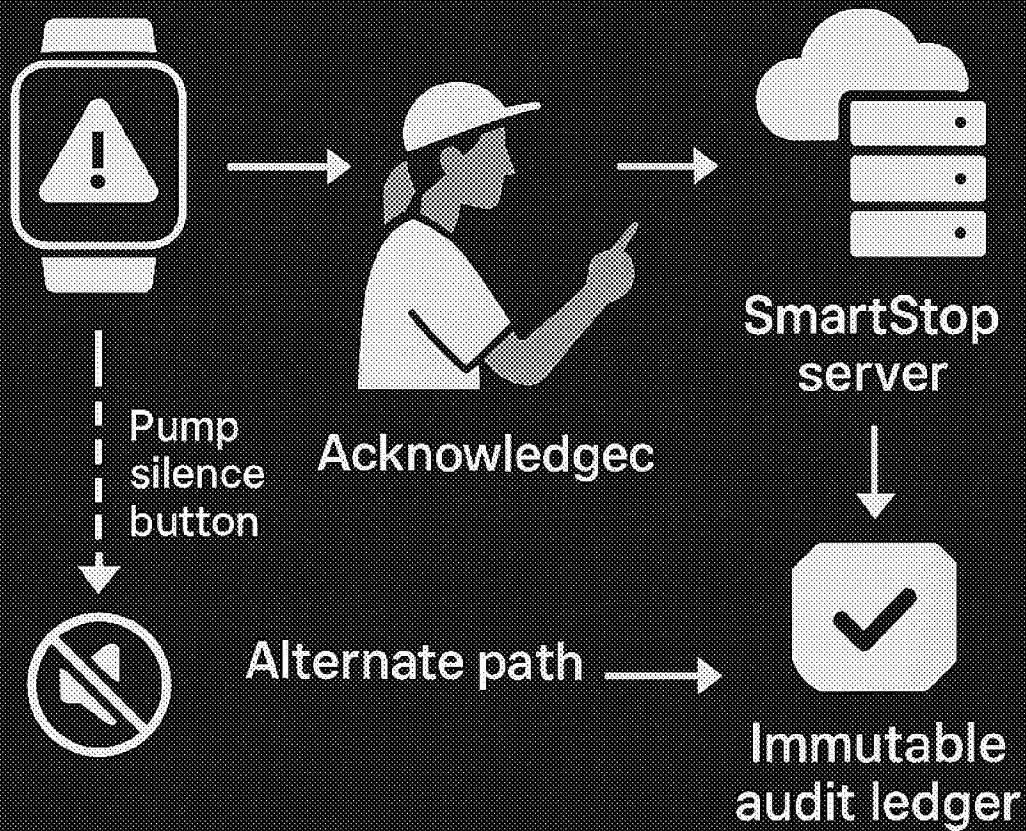


Fig. 4 – User Acknowledgement & Audit Trail

Fig. 4 - User Acknowledgement Audit Trail

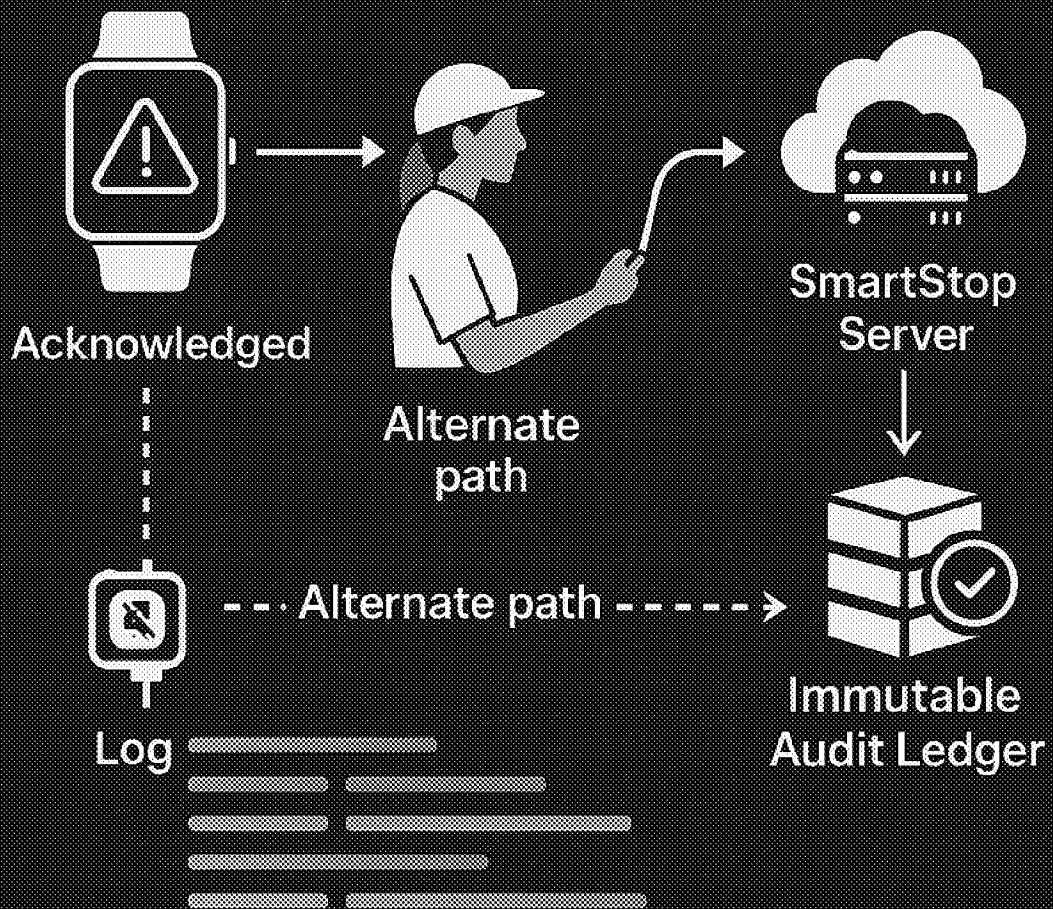
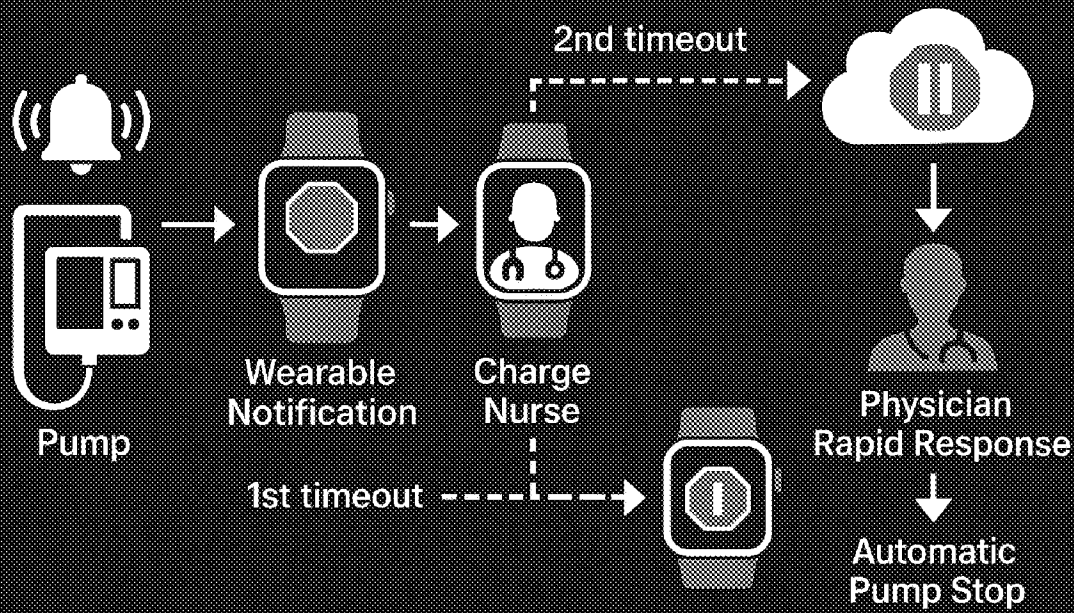
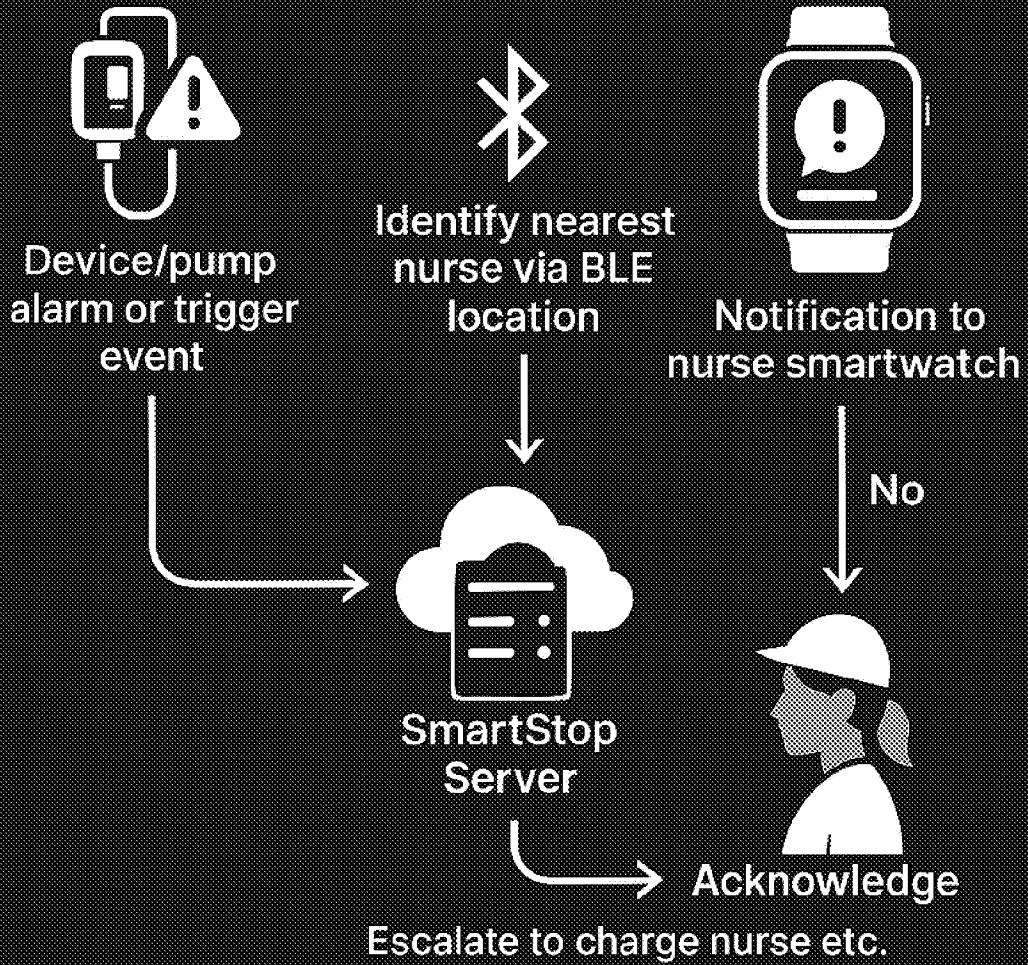


Fig. 5 — Pump Command Escalation Path (Device mode)



Bluetooth Proximity Nurse Triage Flow



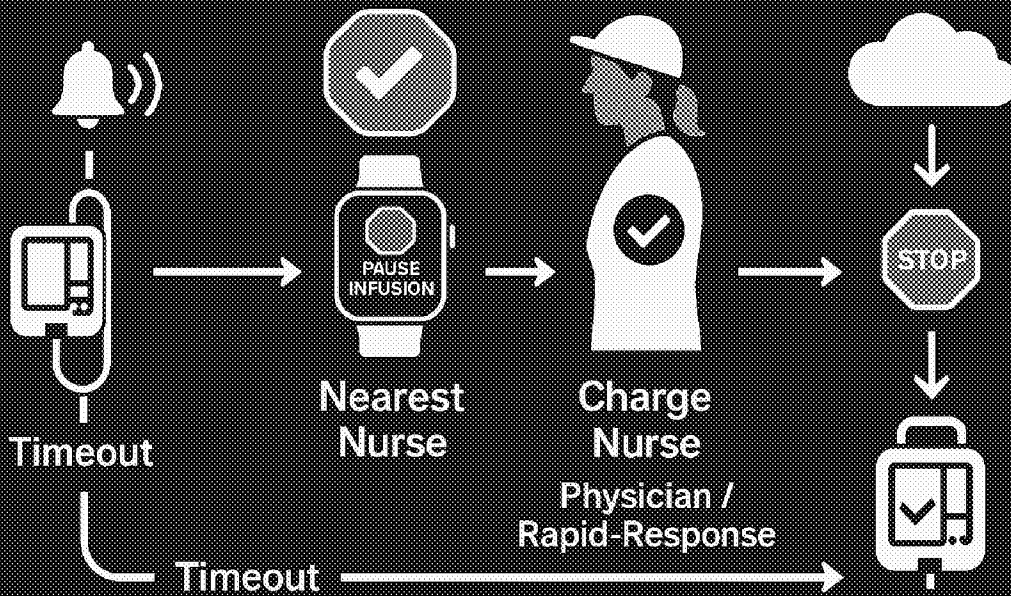


Fig. 5 – Pump Command Escalation Path (Device mode)

How SmartStop Lite Works



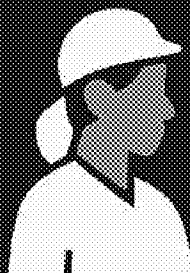
Populated by
your EHR



Tracks ICD-10,
labs, vitals



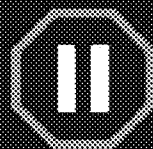
Flags risky
infusion



Nurse hits
Pause and
Acknowledge



SmartStop™



Pause. Protect. Proceed.

Infusion safety, simplified.

How Many ICU Deaths Can SmartStop Lite Prevent?

3–8% of ICU mortality stems from preventable infusion errors

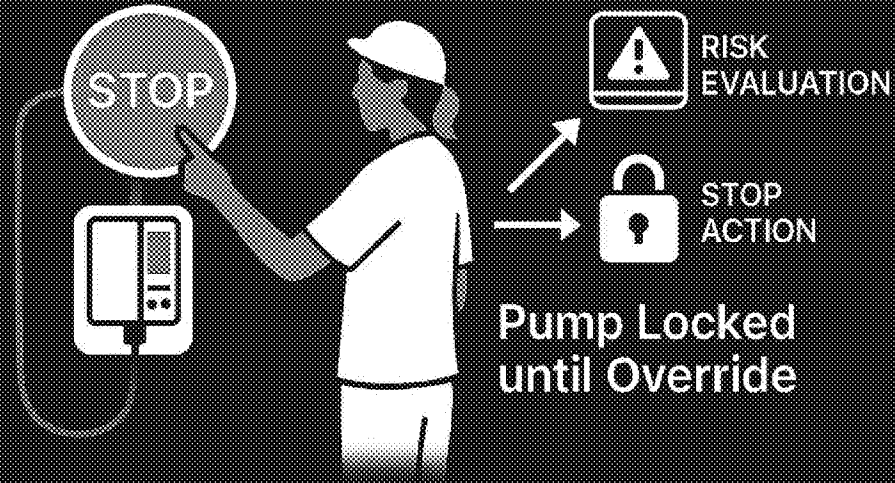
- 14.1% of ICU deaths are preventable
- 53% of preventable deaths linked to therapeutic error
- 40% of these errors involve IV infusions

Figures derived from published ICU mortality studies

Pausing infusions may not prevent multifactorial deaths

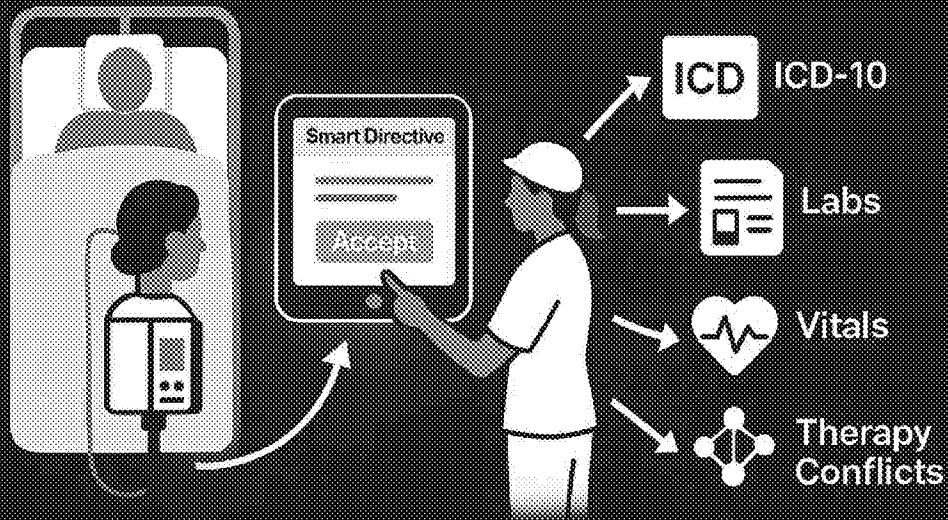
SmartStop

Flight-Envelope Protection



TraceLoop Lite in Action:

Nurse Acknowledgement Flow



SmartStop Lite

5 Common Lethal IV Infusion Error Scenarios



KCl over-infusion → fatal hyperkalemia



Heparin/nafamostat high dose → intracranial bleed



Insulin infusion → hypoglycemia



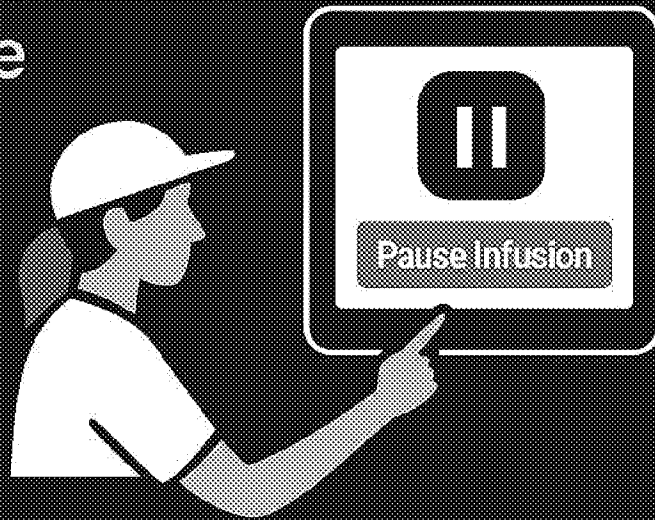
Vasopressor flow obstruction/empty bag → shock



Calcium-channel blockers/antiarrhythmic OD → arrhythmia

The only alarm your nurses will listen to

Because it's the one that can save their patient



- Raises alert only when continuing infusion is unsafe
- Pause & acknowledge keeps workflow simple

The Charge Nurse's Life Saver



‘We’re not killing anyone now.’

Reality Check: Hospitals Are Paying for Excess Deaths

45% of US hospitals
hit with CMS
death penalties – \$45k
per patient

- FY 2026: 70% will still face readmission cuts (avg -0.34% of DRG revenue)
- Fixing ICU errors with TraceLoop targets the biggest share of avoidable deaths and penalties