

WARD Clinical Support System (WARD-CSS)

Category:

Best Digital Health Solution

Company Name:

WARD 24/7

Number of employees:

11-50

Turnover and/or Funding:

2019 - Public grant \$7,500,000

2020 - Pre-seed = \$600,000

2022/2023 - Seed A 2 = \$3.000.000

2024/2025 - Seed B 3 = \$3.500.000

Product/Solution Name:

WARD Clinical Support System (WARD-CSS)

Corporate Name:

WARD247 ApS

Date of Approval:

2025-02-20

Indications:

WARD-CSS is indicated for use for patients, 18 years and older, and intended for but not restricted to, patients at risk for critical complications. WARD-CSS notifies healthcare professionals and indicates that attention should be brought to the patient when deviating vital signs are detected. WARD-CSS is an adjunct to, and is not intended to replace, existing vital sign monitoring practices but alerts the health

care professionals to changes in the patient's physiological status.

Therapeutic Areas:

WARD-CSS provides physiological insight into a patient's risk of critical complications related to:

□

- Bradypnea
- Tachypnea
- Desaturation and bradypnea
- Desaturation
- Tachycardia
- Bradycardia
- Hypotension
- Hypertension
- Hypotension and tachycardia
- Hypotension and bradycardia
- Fever

General Information File Document upload:

N/A

Background information and need for drug / device:

Each year, tens of thousands of hospitalized patients experience preventable complications, many of which are preceded by deviations in vital signs that go unnoticed due to infrequent or inefficient monitoring practices.

Current standard of care on general wards involves periodic spot checks, which often fail to detect early signs of deterioration.

The challenge is further exacerbated by global nurse shortages, alarm fatigue, and the lack of scalable, intelligent monitoring solutions.

WARD 24/7 was founded by clinicians to address this exact need.

The WARD-CSS platform transforms general ward care by enabling continuous vital sign monitoring via wireless sensors, providing clinically relevant alerts, and allowing for timely interventions that improve patient outcomes and optimize clinical resources.

Background File Document upload:

N/A

History of the development of the solution/product:

Research history

2019

- 2.300 patients observed
- 2 large RCTs (700 patients)
- 6 ongoing studies
- 23 peer reviewed publications
- 6 PhDs

2020

- Prototype
- Licence-agreement
- Patent pending

2022/2023

- MDR (CE) certification
- Product launch (WARD-CSS)
- First sale
- EU & US pilots
(including
Cleveland Clinic)

2024/2025

- Strong US partnerships
- Sensor partners
- EU launch
- Gen 2 prototype

The problem

Hospitalized patients often get complications:

30% unexpected complications

40% of those are potentially preventable

70% of mortality after complications happens in the general wards

4-6 days prolonged stay in hospital after complications

\$10,500 - \$15.000 added costs for a patient with moderate / severe complications

Development File Document upload:

WARD247 MEDICAL CLAIMS DECK WARDCSS V13x.pptx
WARD247 MEDICAL CLAIMS DECK WARDCSS V13x.pptx

Why this drug or device is innovative, the broad implications for future research, and/or how it will improve the human condition:

WARD-CSS is a software as a medical device (SaMD) that integrates wireless continuous monitoring with clinically validated algorithms, providing:

- Detects clinical deterioration 48 hours earlier than standard monitoring ($p < 0.05$)
- Reduces non-actionable alerts by over 80% ($p < 0.05$)
- Operates with >96% sensitivity for sustained deviations
- Interfaces with existing hospital systems and is sensor-agnostic

Unlike generic monitoring or predictive analytics tools, WARD-CSS provides clear, clinically actionable alerts, reducing nurse workload and alert fatigue while maintaining high sensitivity and safety.

Innovation File Document upload:

N/A

Please provide appropriate references (PubMed, Abstract, Website):

Logo

Description automatically generated, Picture

The references are listed as what references there is on the different pages/slides in the PPTX

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