

One number you can read at a glance — *and act on*

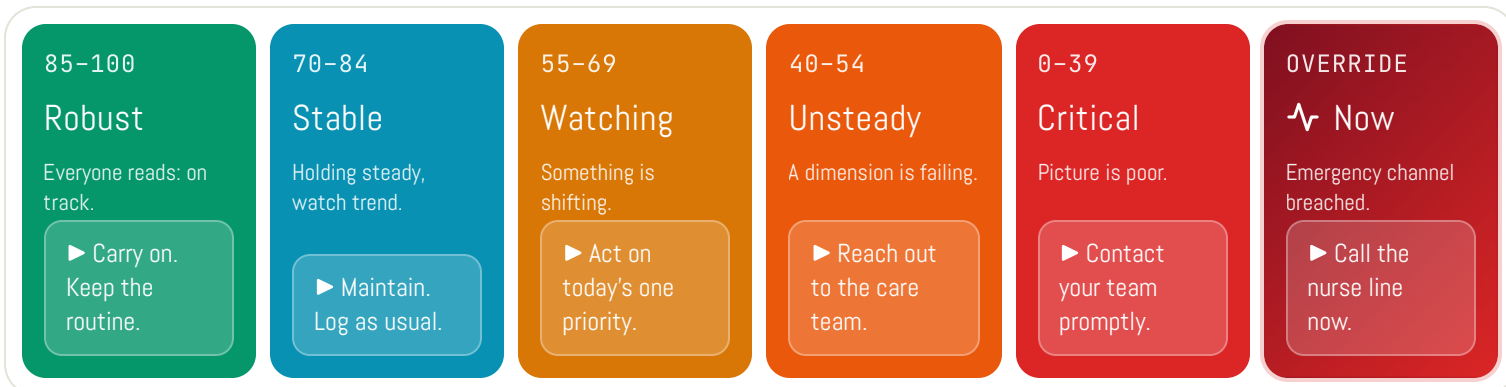
The NSI compresses a patient's whole clinical picture into a single situational-awareness number. Patient, caregiver, nurse, and doctor all read the *same* number the same way — and it tells them not just *how things are*, but *what to do next*, without waiting for the classic appointment cycle.



Like a fuel gauge, or an early-warning score.

You don't read the engine to know you're low on gas. The NSI does the same for cancer status: a glance gives instant awareness, and the awareness triggers a response — carry on, prepare, reach out, or call now.

THE NUMBER → THE RESPONSE · A SHARED TRIAGE LADDER



Same five bands (engine v2.0) for every reader — plus a parallel override that forces the band to red on an absolute emergency, no matter what the composite says.

WHY A SINGLE NUMBER CHANGES THE GAME

1

One Glance, One Shared Picture

Seven clinical dimensions collapse into a single 0–100 score and color band. No medical training needed to know "where we are" — the patient, the spouse, the triage nurse, and the oncologist all hold the same situational picture in the same instant.

👁 Shared common operating picture

2

The Number Is a Trigger, Not a Report

Each band maps to a response level — carry on, prepare, reach out, call now. Reading the score tells you what to do, not merely how you are. Status becomes a decision instead of a data point that still needs interpreting.

⚡ Awareness → action, directly

3

Decoupled From the Appointment Clock

Patients spend ~97% of each cycle outside the clinic. The number recomputes from whatever data exists, so a response fires when the score moves — not when the calendar finally allows a visit. It collapses the wait-for-next-appointment loop.

 Real-time, not episodic

4

One Signal, Role-Specific Action

The same number drives a different doable response per reader: the patient self-manages today's priority, the caregiver knows when to escalate, the nurse triages the call, the clinician weighs a treatment change — all anchored to one shared figure.

 Coordinated, not fragmented

5

Awareness That Can't Read False-Green

A parallel override forces the band to red on absolute emergencies — febrile neutropenia, critical SpO₂, severe neutropenia — regardless of a reassuring composite. The shared picture can never be falsely calm; the most dangerous signal always wins.

 Emergencies are un-maskable

6

The Number Points to Its Own Lever

It isn't a black box. A glance gives the score and the single weakest dimension driving it — surfaced as "today's one priority" (e.g. *"hydrate — eight glasses before bed"*). Situational awareness arrives already attached to the highest-impact action.

 Status + the one thing to do

7

Confidence Travels With the Number

Every score carries a coverage % — how complete the underlying picture is. When wearable, ctDNA, or recent labs are missing, the number is flagged "Tentative" and weighted down. So readers don't just see the status — they instantly see how much to trust it. Situational awareness that's honest about its own blind spots is awareness you can safely act on.

 The number tells you when it's unsure



What the number is — and isn't

The NSI is a situational-awareness and communication aid, not a diagnosis or prognosis. It is calibrated on a single patient ($n = 1$) and not yet validated against survival or hospitalization outcomes — a change in the number does not license an inference about the future. It speeds the path from awareness to action; it does not replace clinical judgment, ECOG, or your care team. Trust acute symptoms over the score: if something feels wrong, contact your team regardless of the number.



noesiscare
to know is to act

Design lineage: NSI Engine v2.0 — five bands · weighted geometric mean · parallel freshness-gated override · coverage weighting. Situational-awareness framing in the spirit of early-warning scores (NEWS2) adapted to ambulatory oncology — Edelson 2024; Nagarajah 2022; Ağırbaş 2025.

NoesisCare · NSI as a Situational-Awareness Number