



CLIENT PROJECT

AI behavior chart analysis for care home nurses

A UK care home group with several homes

IN SHORT

AI reads a resident's behavior charts over a chosen date range and reports triggers, patterns and what support works, with a clear AI-generated warning.

THE CHALLENGE

Carers record distressed behavior as it happens. Each chart is useful alone, but patterns across weeks of entries are hard to see when reading them one by one.

WHAT WE BUILT

We scoped and built a behaviors chart with a Generate Summary button. Staff choose a date range and the AI analyzes every entry in it against a fixed set of questions agreed with the care team. The summary opens in the system and downloads as a PDF.

AT A GLANCE

INDUSTRY

Healthcare

SERVICES

AI agent development

Custom software development

Mobile app development

Web application development

PLATFORMS

Web

Mobile

Read the full project: <https://itechnosol.com/our-work/ai-behavior-chart-analysis-for-care-homes/>

THE RESULT

Nurses get a single view of triggers, recurring themes, effective and ineffective support and time-of-day patterns. Every summary ends with a warning to review the charts before changing the resident's care.

BUILT WITH

React, Node.js, Express.js,
MongoDB, OpenAI API, AWS,
GitHub Actions, Git

KEY FEATURES

■ Reads every entry in range

Trigger, behavior, consequences, support offered and whether it worked, for one resident over the chosen period.

■ Nurse chart reviews

Each new chart schedules a review for the nurses, who read the summary alongside the entries.

■ Date range and PDF

Staff pick the period, read the summary in a pop-up and download it as a PDF.

■ 13 set questions

From common triggers to time-of-day patterns and takeaways for care planning.

■ Mandatory warning

Each summary ends by saying it is AI generated and the charts must be reviewed before the care plan or the resident's care changes.

■ Day-by-day view

Entries show by day with a This Week button, so staff can scroll back through the raw records.

Planning something similar?

Send us a few lines about your project. A founder replies within 4 business hours with an indicative cost and timeline, free and with no obligation.

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