

Healthcare Pathway Forecasting, Analysis and Optimisation

EMPATH™ is a highly-configurable modelling framework, used to analyse and compare the performance of care pathways by simulating the complex interaction of patient flow, resources, and facilities.

We offer tailored consultancy and analysis support, working closely with your clinical, operational and data experts to provide a validated, end-to-end solution to meet your business needs.

- ✓ Flexible, agile approach to suit your needs
- ✓ Scalable analysis from single pathways to ICS
- ✓ Rich-, low- and no-data alternative approaches
- ✓ Industry-standard, quality-assured toolsets
- ✓ Rapid turnaround for faster time to results

Analyse and compare care pathway performance.

Identify opportunities to reduce waiting times.

Improve the patient and staff experience.

Optimise staff rotas and resource allocation.

Understand resilience and be better prepared.

Build stronger data-driven business cases.

Increasing demand and constant pressure to reduce cost leave services brittle and unable to respond to fluctuating levels of need. The patient experience is impacted, staff are under greater pressure, and services deliver unfavourable outcomes and may become unsafe.

Digital modelling allows you to test new ideas, design alternative solutions and assess the potential impact of different investment approaches, reducing overall cost, risk, and uncertainty.

EMPATH™ is just one of the capabilities Frazer-Nash Consultancy employs to help our customers solve challenging problems. Contact us to understand how we can work with you to deliver innovative systems, engineering and technology solutions to solve challenges for you, your staff, patients, and the wider health and social care system.

Get in touch

E: healthandsocialcare@fnc.co.uk

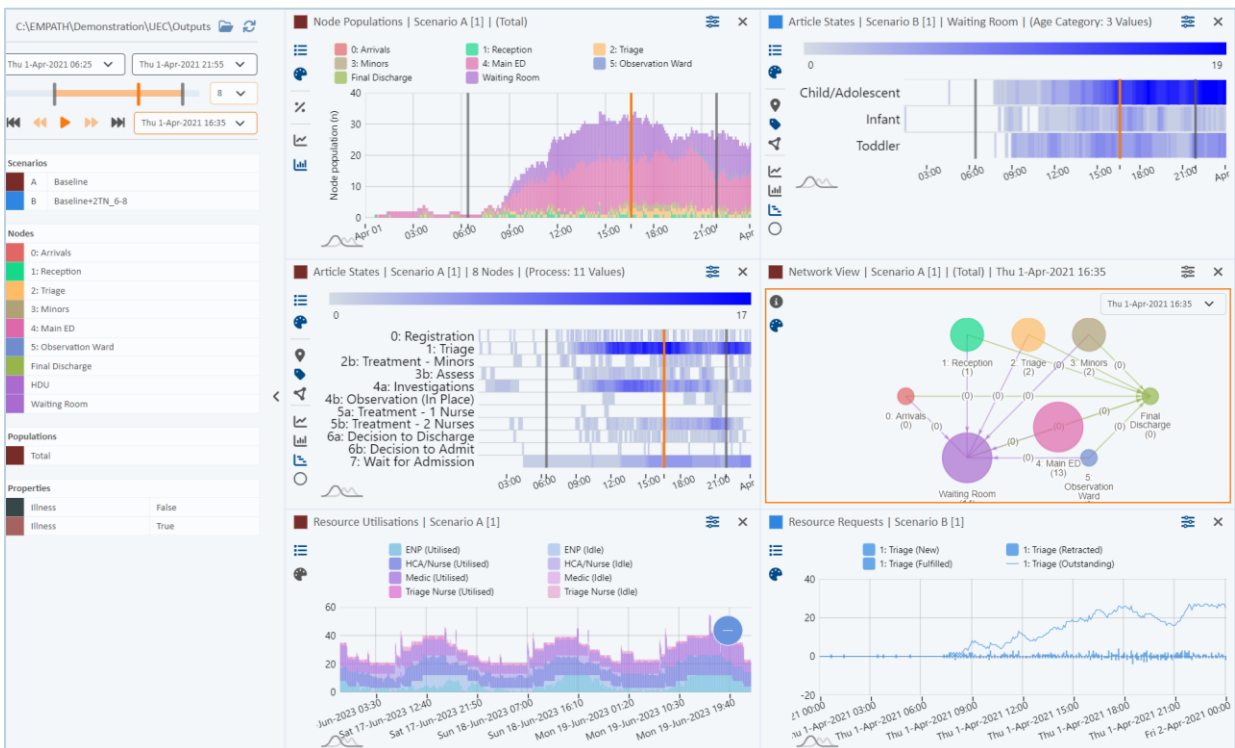
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We help organisations deliver innovative systems, engineering and technology solutions to make lives safe, secure, sustainable, and affordable.

Features

- ▶ **Case Mix and Prioritisation** – Characterise demographics, clinical priority, specialist referral and seasonal variations; prioritise and schedule patients for treatment.
- ▶ **Individual Patient Tracking** – Define detailed pathways to assess the impact of case mix on overall metrics; track individual journeys.
- ▶ **Full Resource Scheduling** – Model availability of staff and equipment according to a rota.
- ▶ **Detailed Facility Constraints** – Identify where processes can be delivered, constraints on capacity, service opening times and availability.
- ▶ **Fast Running Digital Model** – Compare options rapidly and gain deeper insight.
- ▶ **Statistical Assumptions** – Simulate uncertainty and event probabilities. Apply risk levels and analyse likely outcomes.
- ▶ **Advanced Visualisation** – Exploit a full suite of purpose-built analysis tools to analyse overall system performance, compare scenarios and drill-down for greater insight.
- ▶ **Full Configurability and Support** – We work with you to customise EMPATH™ to your individual needs, integrate your data and experts' insight, to answer your questions.



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