A BRAVE Conversation

Dr Matthew Dolman
GP
Chief Clinical Information Officer NHS Somerset
Clinical Lead NHSE SW Digital Neighbourhood Programme

"Rum and Coke"

- Can someone remind me before the finish ?

" A ten year journey"

- Personalised proactive care

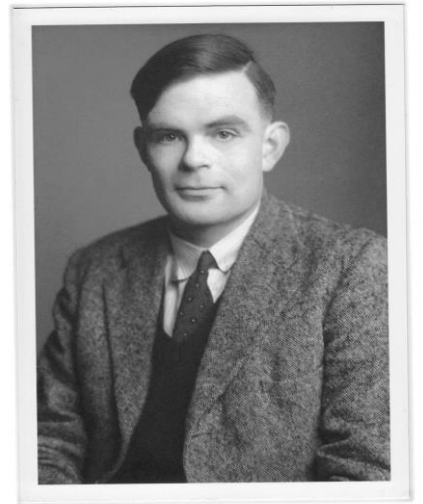- Teams and teaming

- Learning and failing

And redesigning

- Medical device that predicts a person's risk of being admitted to hospital next year

"Using Primary Care data and AI"

- The richest data set in the world

- So important to use it safely

-BRAVE uses it for direct care purposes

- The AI used is machine learning dating from the 1950s

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"People, practices and population"

- Person centred design

- A medical device that can support GP practices to visualise their future demand

- A visualisation can show a population of over 100,000 people but zoom to an individual in three clicks
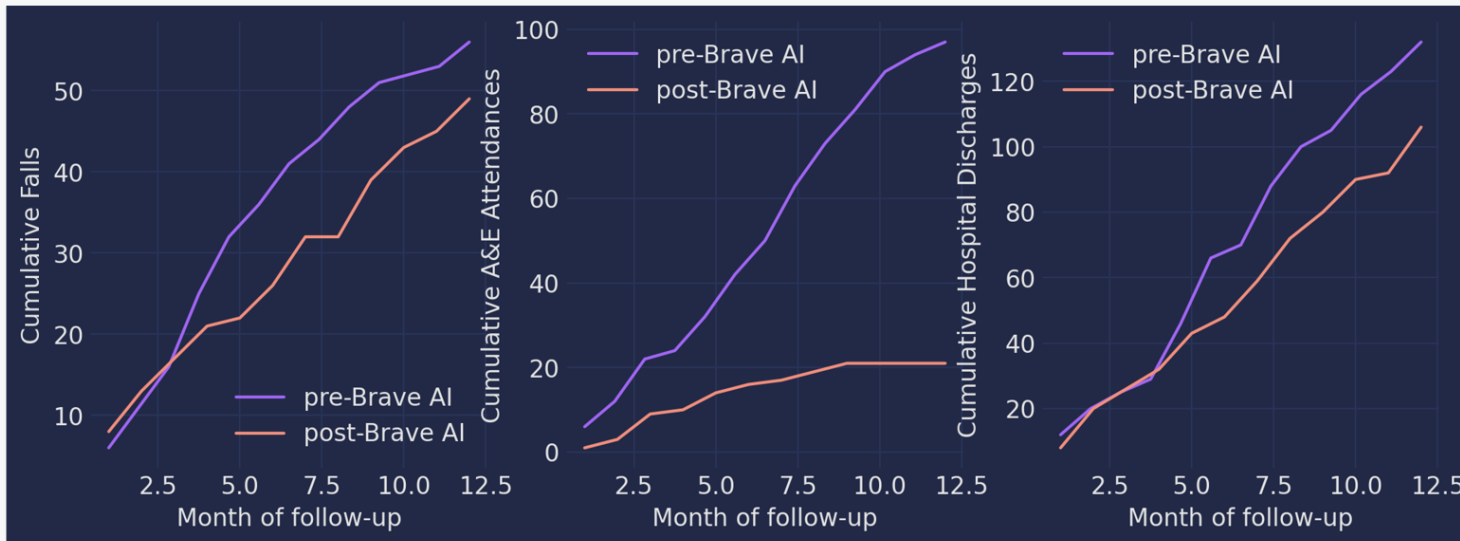
"What does BRAVE look and feel like ?"

"Results and benefits"

Falls
Decrease from 56 to 49
(12.5%, p-value=0.0)

A&E Attendances
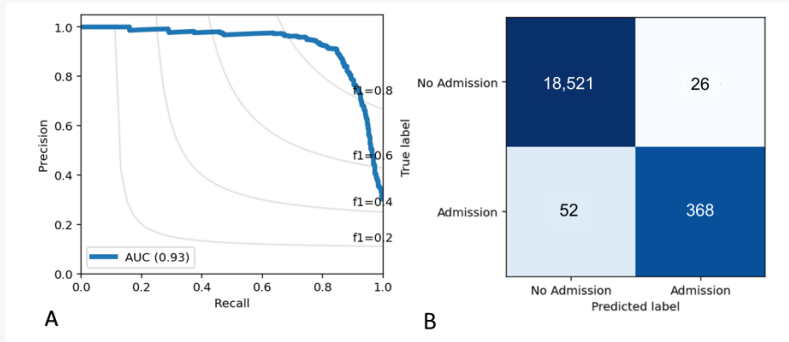Decrease from 97 to 21
(78.4%, p-value=0.03)

Hospital Discharges
Decrease from 132 to 106
(19.7%, p-value=0.05)

115 Carehome residents

"Accuracy"

Prospective Cohort
(n=4 Surgeries
Dec 2020-December 2021)

n=420 admissions

420 unplanned admissions
9 in 10 admissions are correctly identified by Brave AI

10

"Regional Digital Neighbourhood Programme"

- NHSE SW funded programme to support the deployment , design and evaluation of digital technology and data

- 30 PCNS selected from across the Region to use BRAVE

- Complex and frustrating BUT

- Learning and close to accelerating to scale

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"A **Digital Neighbourhood** is an <u>Integrated Neighbourhood Team</u> of multi-disciplinary, multi-sector professionals and volunteers, <u>together with the local citizens they serve</u>, interconnected across organisational boundaries by the <u>best use of **digital technology and data**</u>, with a shared goal of <u>optimising health, wellbeing, and care interventions</u>."
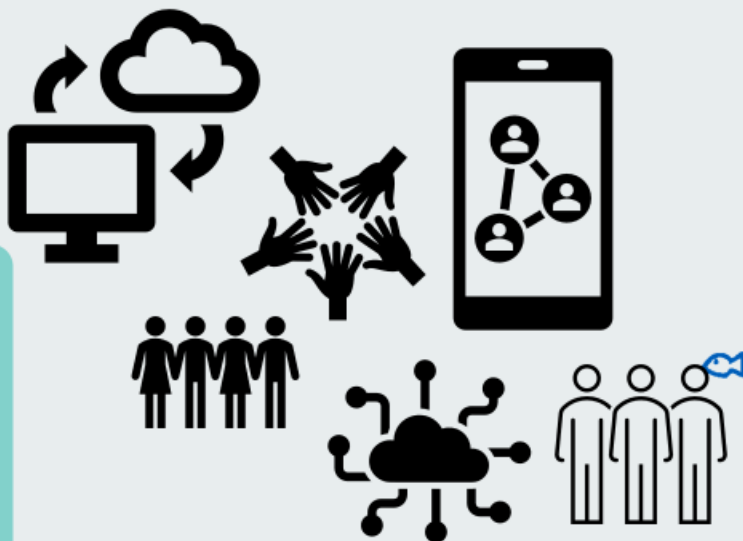
"Rum and Coke"

- Thank you
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