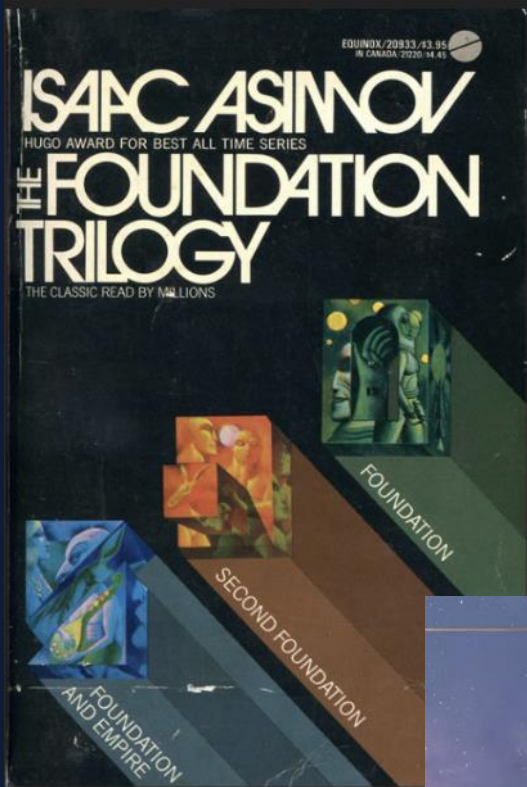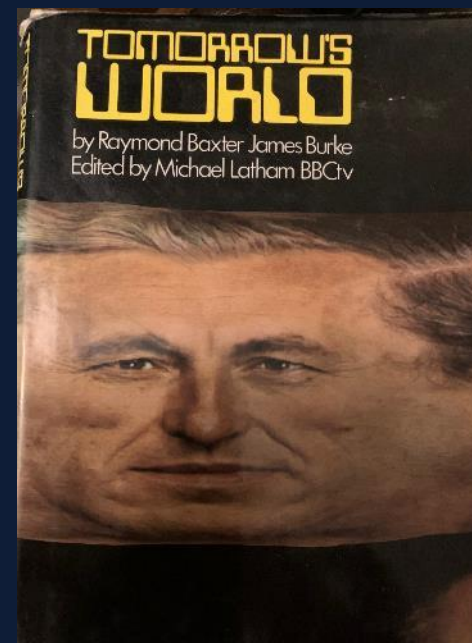# Integrated Care
The last 40 years and the next 2

A personal view of the progress of

Digital Health since 1980

1970s - Predictions

Mathematician Hari Sheldon spends his life developing a theory of psychohistory, a new & effective mathematical sociology.

Using statistical laws of mass action, it can predict the future of large populations.

TOMORROW'S WORLD
by Raymond Baxter James Burke
Edited by Michael Latham BBCtv
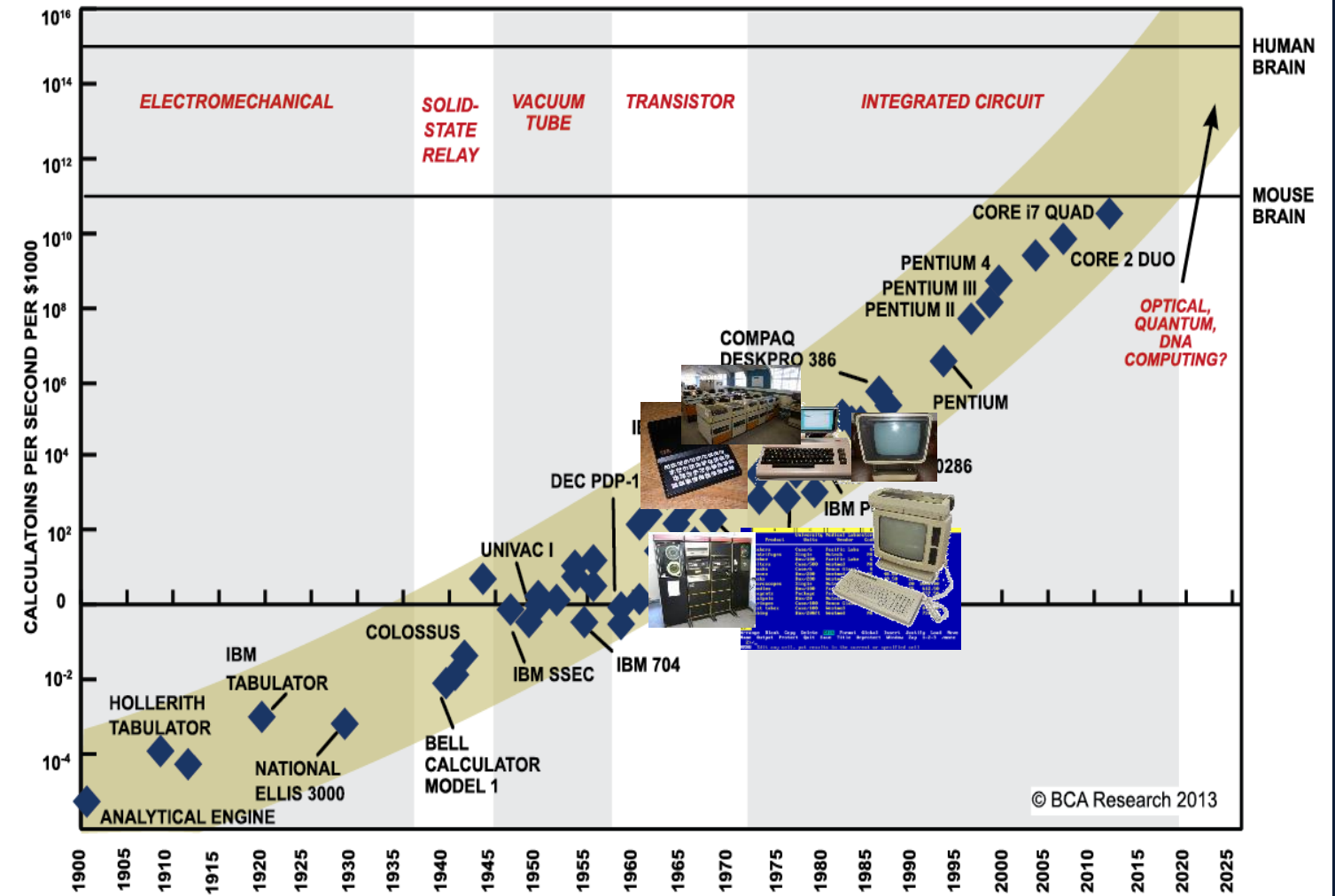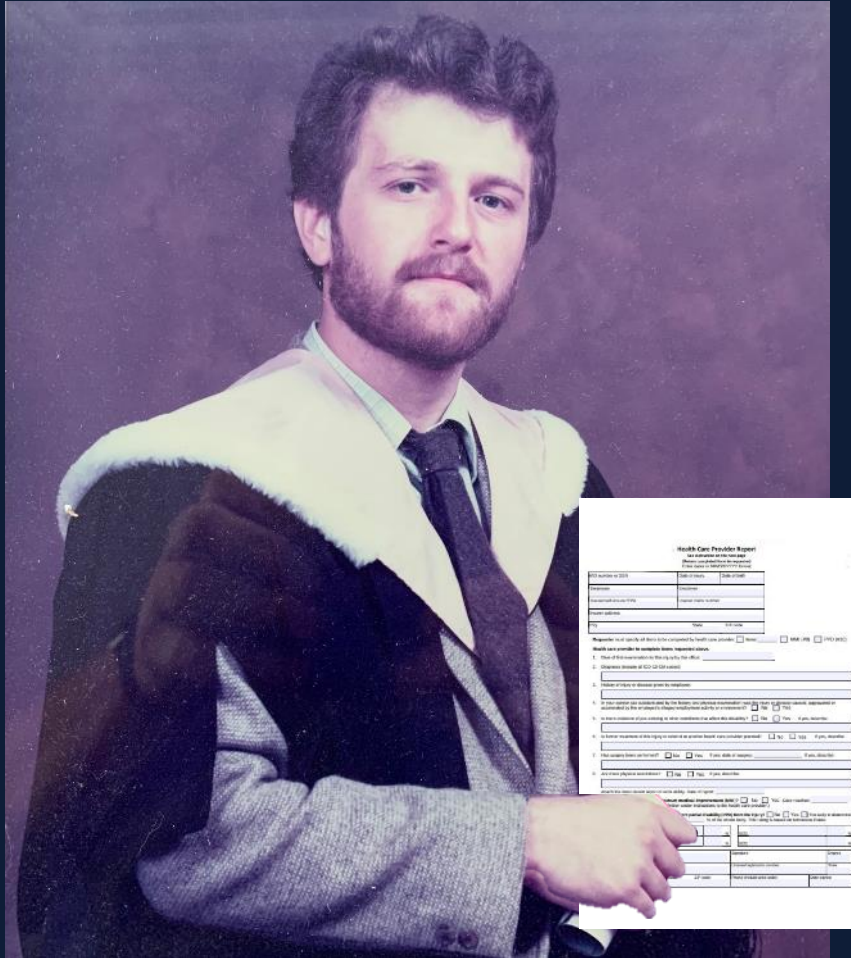
Old Burkster's Almanac

1987 Control of arteriosclerosis and heart disease. Soviet manned landing on Mars.

1990 Use of drugs to increase intelligence widespread. 3-D colour laser TV on sale. Cure for cancer discovered. Last national morning newspaper closes down.

1994 Establishment of world computer-information bank.

1999 Creation of intelligent artificial life achieved.

2000 Semi-voluntary euthanasia at the age of 60 encouraged by Department of Health.
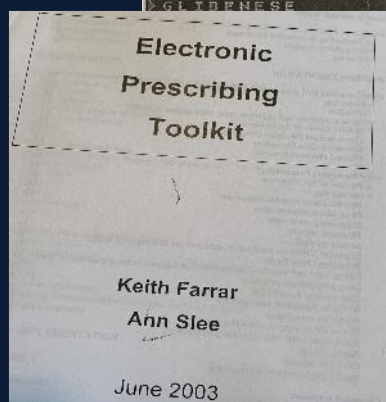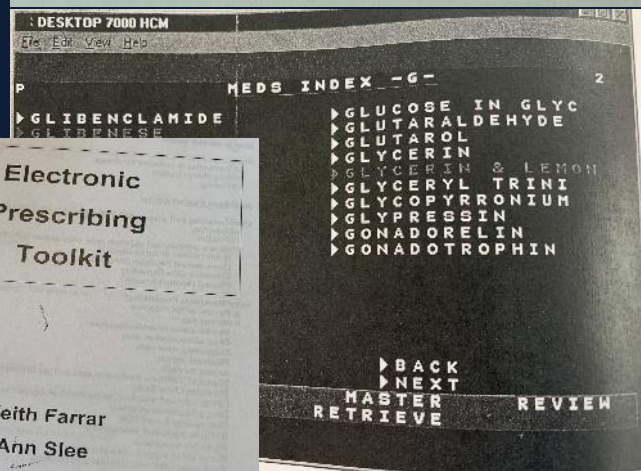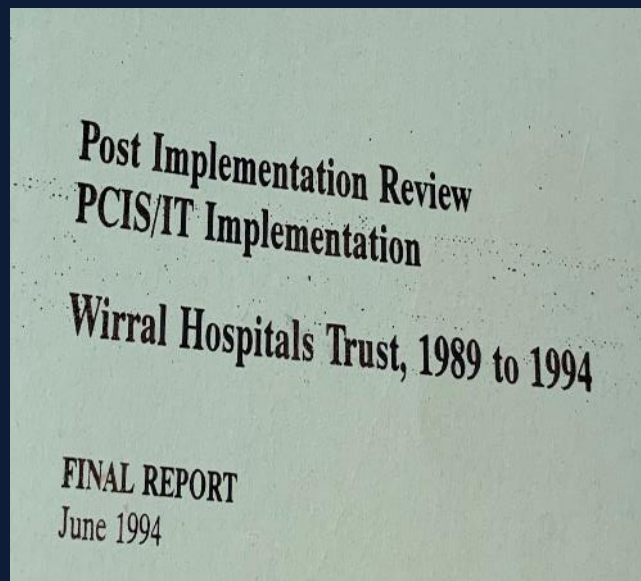
1980s – Moore's Law – Processors

1990s - Applications

Information for Health -Principles

Post Implementation Review PCIS/IT Implementation

Wirral Hospitals Trust, 1989 to 1994

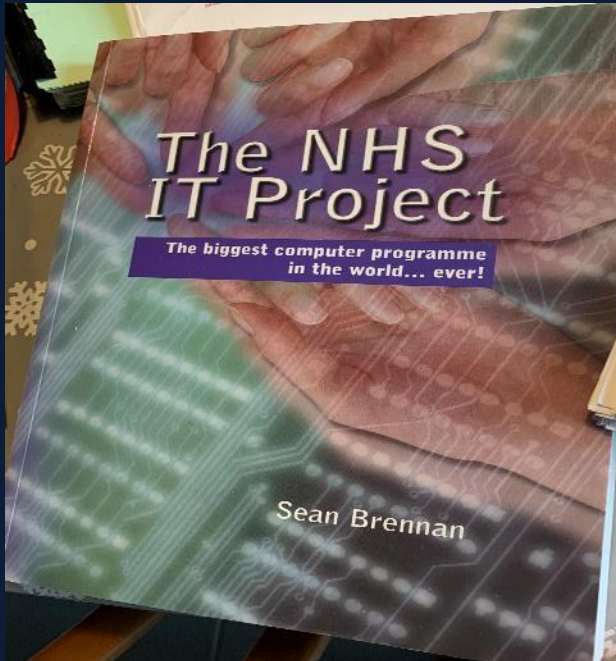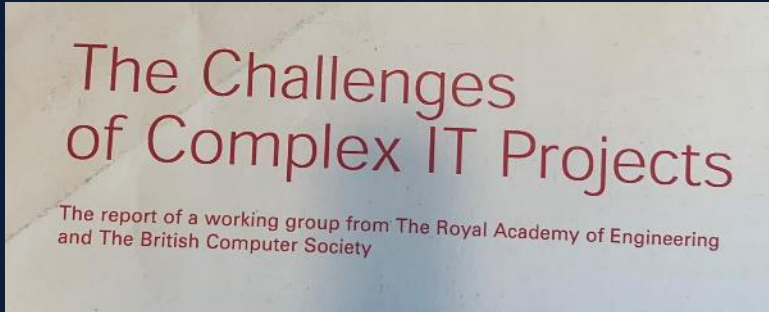FINAL REPORT

June 1994

- HISS project
- Resource Management Project
- TDS
- Clinically led not technical or management
- Link of change to benefits

Electronic Prescribing Toolkit

Keith Farrar
Ann Slee

June 2003

	For clinical professionals
O1	Provision of reliable and rapid access to patient information
O2	On-line access to local and national evidence on treatment
O3	Access to effectiveness information
	For patients
O4	Access to accredited independent information
O5	Provision of on-line access to services and specialists
	For the public
O6	Fast convenient access to accredited information
O7	Involvement in health service policy
	For managers and planners
O8	Availability of accurate information for planning purposes

2000s – Large Scale Programmes

Cheshire and Merseyside SHA

CFH/NPfIT

NorthWest SHA

2010s – Other Ways of Looking At IT?

Qatar's health system ranked 13th best in the world and 1st in the Middle East

The annual index measured and ranked the health of people living in 149 countries.

Here are the top 20 countries

1.	Luxemburg	2.	Singapore
3.	Switzerland	4.	Japan
5.	Austria	6.	Sweden
7.	Norway	8.	Netherlands
9.	Hong Kong	10.	Australia
11.	Belgium	12.	Germany
13.	Qatar	14.	Finland
15.	South Korea	16.	Spain
17.	New Zealand	18.	France
19.	United Kingdom	20.	Iceland

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Qatar and Hamad Medical Corporation

(2010-15 - working on a national scale)

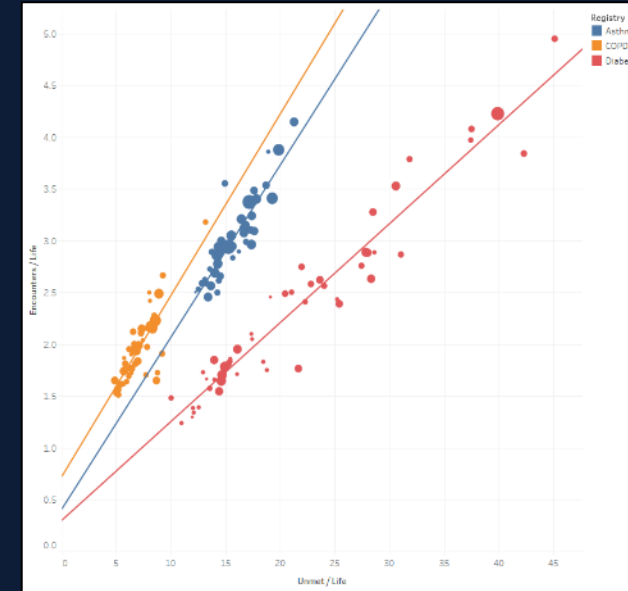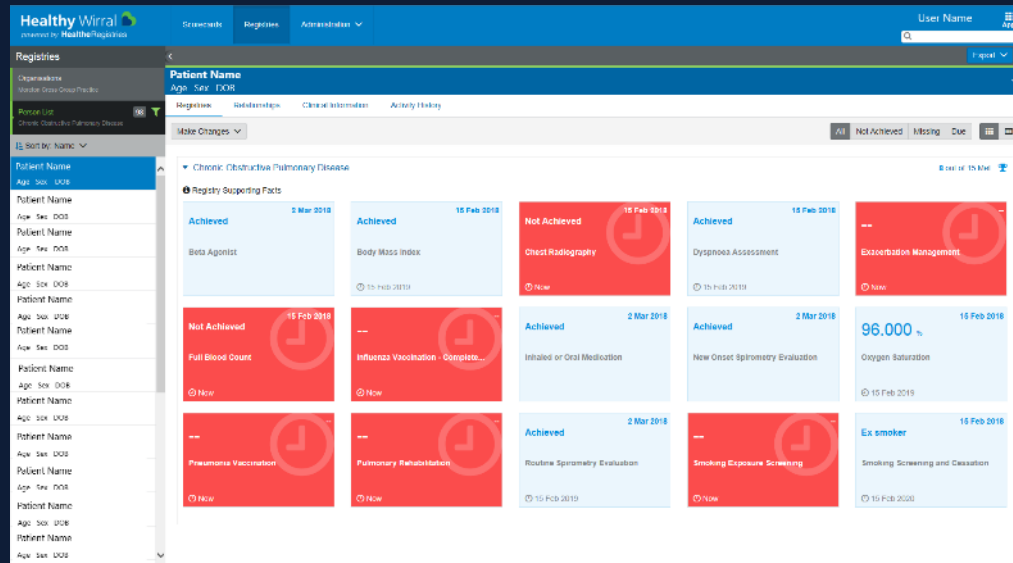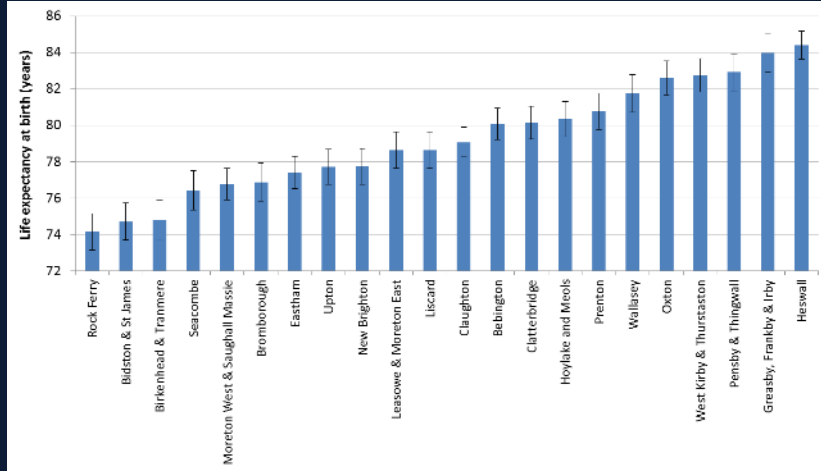Qatar in top 10?

Morecambe Bay

(2015- Lorenzo)

Integrated Care Partners

NHS vanguards

2020s Where are we now ? We have the data

Artificial Intelligence and Population Health

Five key priorities for successful use of AI technologies by public health organizations are identified in this commentary:
1) Contemporary data governance;
2) Investment in modernized data and analytic infrastructure and procedures;
3) Addressing the skills gap
4) Development of strategic collaborative partnerships, and;
5) Use of AI best practices including explicit consideration of equity

The next 2 years …

- We've gone from Processors, to Applications, Programmes to Data and (maybe) insight

- Are we going to tackle the clinical and business problems?

- Get the operational systems in place (do they need to be the same?)

- Get the data together and sort out the IG

- Collaborate – working for the system not just the organisation

- Involve the patient – I'll need it

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