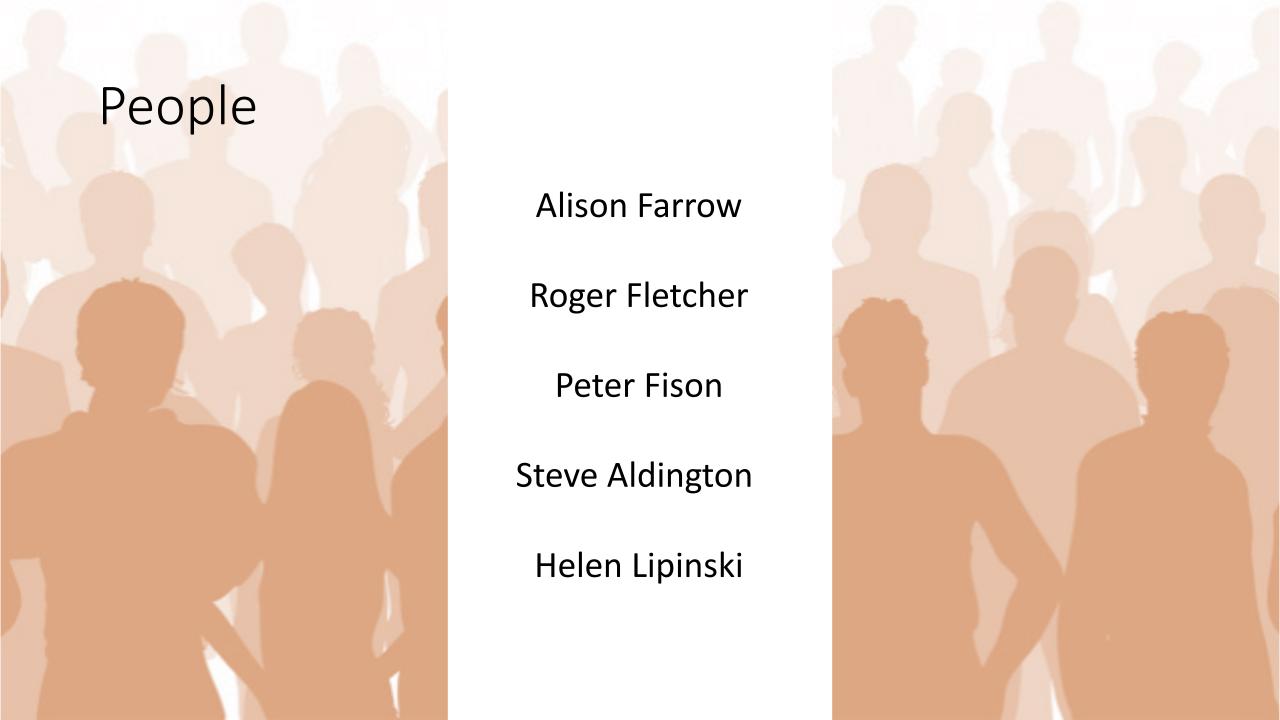


45 seconds per year



Six Degrees of Steven Aldington (Aldington Number)

- 1. Trained by or worked with Steve
- 2. Trained by or worked with someone who was trained by or worked with Steve
- 3. Trained by or worked with someone who was trained by or worked with someone who was trained by or worked with Steve
- 4. Trained by or

Aldington or Bacon?







The NSF

The NSF

Training & Qualification

Grading criteria

The NSF

Training & Qualification

Grading criteria

The NSF

Training & Qualification

Automation

Grading criteria

Widefield imaging

The NSF

Training & Qualification

Automation

Grading criteria

Widefield imaging

The NSF

Training & Qualification

Automation

One-field versus two-field

Grading criteria

Widefield imaging

The NSF

Training & Qualification

Automation

One-field versus two-field

The switch to digital

Non DR

Screening interval

Grading criteria

Widefield imaging

The NSF

Training & Qualification

Automation

One-field versus two-field

The switch to digital

Non DR

Screening interval

Grading criteria

Widefield imaging

The NSF

Training & Qualification

Automation

One-field versus two-field

The switch to digital

Non DR

The National Service Framework for Diabetes

- NSFs long term strategies to improve specific areas of care
- Diabetes NSF Standards 2001

"All young people and adults with diabetes will receive regular surveillance for the long-term complications of diabetes"

• Delivery strategy 2003

"A minimum of 80% of people with diabetes to be offered screening for the early detection and treatment of diabetic retinopathy by the end of 2006 to reach 100% by end of 2007"



National Service Framework for Diabetes:

Delivery Strategy

NSF Pump priming capital

£26,000,000

£13 - £18

"A minimum of 80% of people with diabetes to be offered screening for the early detection and treatment of diabetic retinopathy by the end of 2006 to reach 100% by end of 2007"

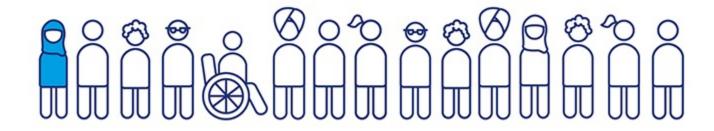
England 2021/22

Acceptable ≥	95%
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• Achievable ≥ 98%

• *Actual (all CCGs) 92.7%*

People with diabetes



4.9 million

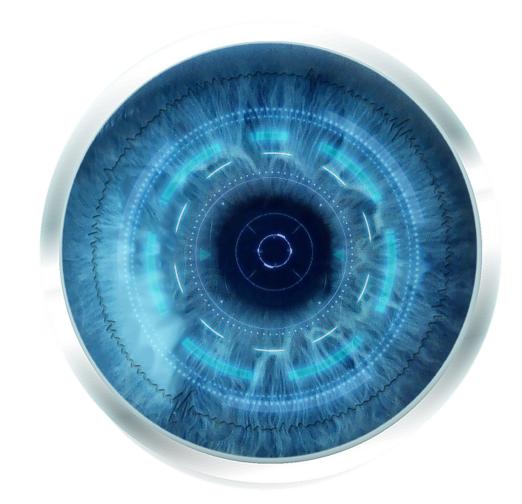
357,700

Automation

- Joined Medalytix in 2008
- Aberdeen University Algorithm
 - Image Quality
 - ma & dot haem detection

Fleming AD, Goatman KA, Philip S, Prescott GJ, Sharp PF, Olson JA. Automated grading for diabetic retinopathy: a large-scale audit using arbitration by clinical experts. Br J Ophthalmol. 2010;94:1606–10

Rolled out in Scotland by 2011



Automation

12 years ago

2021 NICE Report - AI technologies for detecting diabetic retinopathy

EyeArt, RetinaLyze and Retmarker

Potential usability issues

- The use of a different grading classification
- Appropriate integration of the AI system into existing systems
- Smooth data transfer
- Staff training and testing how the technologies perform when screening high volumes Of images, similar to what would be expected in routine practice
- Camera type and cost
- The number of images that need to be taken (and so time)
- The need for dilated pupils.

On a more positive note...

"The leading cause of blindness in the UK's working age population."

Not anymore!

Thank you!