

AHSN Network, National roll out of AF detection devices

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INNOVATION AGENCY
Academic Health Science Network
for the North West Coast

Policy background

- Move towards providing greater incentives to introduce innovation into regular use.
- Innovators find it hard and have a lengthy process getting to market and regular use
- Many barriers to adopting innovation
- DH/NHS E putting in structures to improve uptake
- National Innovation and Technology Tariff Programme with a range of innovations which are free to use for a year

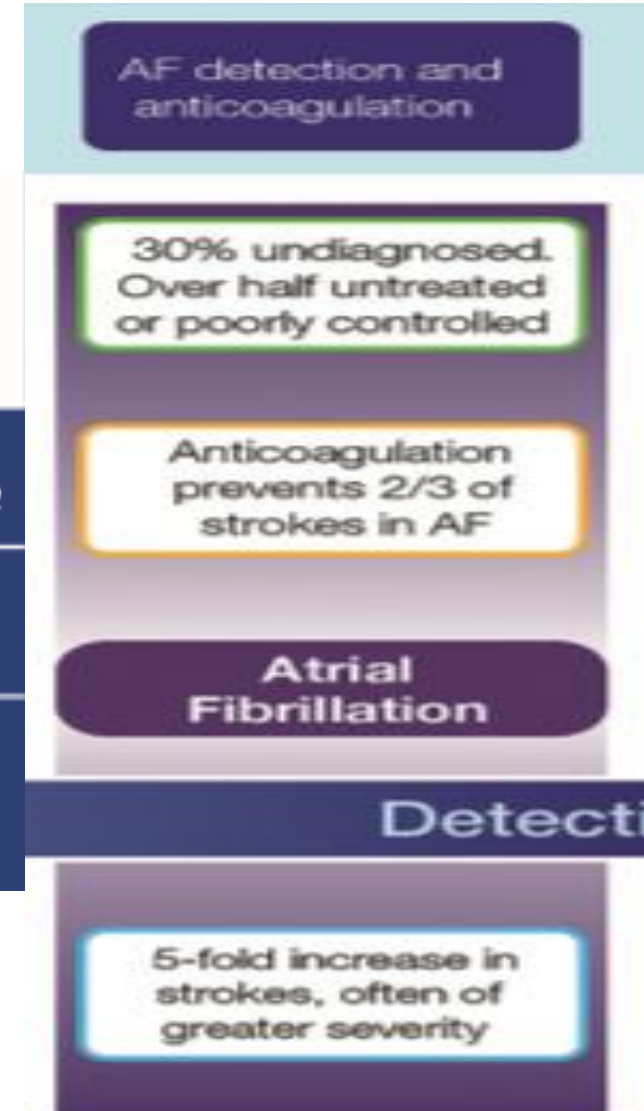


Background – finding the missing AFs

- Opportunistic testing has been shown to be beneficial at identifying AF in the community
 - Cost effective
 - Recording sinus rhythm
- Mobile devices have been shown to be more accurate than manual testing
- A range of mobile devices available for purchase, but not widely used
- AHSNs all have AF and stroke prevention as a theme

3. The opportunity: potential events averted and savings over 3 years by optimising treatment in AF and hypertension, 2015/16

Optimal anti-hypertensive treatment of diagnosed hypertensives averts within 3 years:	460 heart attacks	Up to £3.30 million saved ²
	680 strokes	Up to £9.60 million saved ¹
Optimally treating high risk AF patients averts within 3 years:	760 strokes	Up to £12.70 million saved ¹



The Mobile ECG Devices

- Opportunistic testing has been shown to be beneficial at identifying AF in the community
 - Cost effective
 - Recording sinus rhythm
- Mobile devices have been shown to be more accurate than manual testing
- A range of mobile devices available for purchase, but not widely used
- Criteria developed by NHS E
- Business case approved by NHS E
- Roll-out through AHSNs



Detect AF

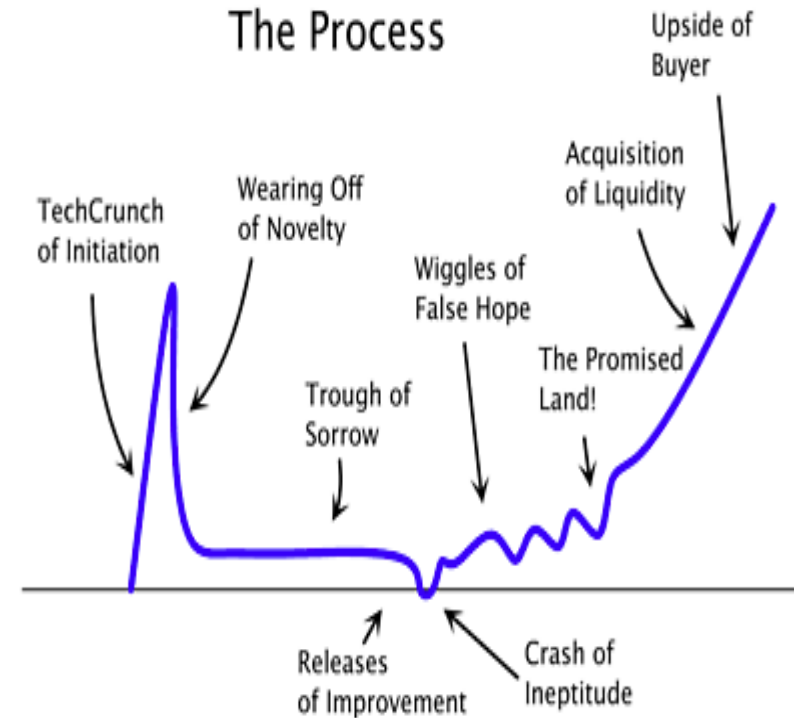


in 60 Seconds



How will it work?

- NHS E provide £0.5 million to lead AHSN
- All AHSNs have a population-based allocation of funds
- AHSNs decided what mix of devices they wanted to procure
- Expressions of interest gained from our regions
- Innovative environments are encouraged
- Procurement lead negotiates prices with suppliers



Support from AHSNs

- AHSNs have implementation programmes in place for reducing AF related strokes
- Mobile ECGs will be implemented as part of this
- Governance through AF steering committee
- Support from national clinical lead and Programme Manager
- Evaluation to be commissioned alongside the work

Key Metrics

- Patients admitted to hospital with AF related stroke who are not anti-coagulated
- Patients admitted with AF related Stroke
- Gap between Observed vs Expected AF
- People with a CHADs2VASC of 2 or more who are anti-coagulated

AF Work Programme 2014-

Detect

- Campaigns
- Innovative technology Mobile ECG
- Work across a variety of settings
 - Eg FRS, diabetic clinics etc as well as more traditional routes

Protect

- Don't wait to anti-coagulate/QI Support
- Self-monitoring for Warfarin
- Digitally integrated systems
- Apps

Correct

- Dashboards
- Business cases
- Commissioning Tools

Key Evaluation Questions.

Can a system-wide procurement initiative improve the uptake of innovative technology (mobile ECG) and stimulate the market in primary and community settings, to better identify AF?

What environments are the devices most effective in?

What features of the implementation packages are most effective?

What impact has the programme had on the market place?

What health economic aspects has the programme achieved?

What impact has the programme had on patient outcomes?

What is the impact on providers?

