AF detection and diagnosis pathway

During and post COVID-19 recovery

Click here to start

Acknowledgements

Acknowledgements

About the pathway

The impact of COVID-19

AF Detection Pathway

Developing local pathways

Implementing the pathway

Resources: digital

Resources: hcp

Resources: patients

References

- This resource has been co-developed by Trudie Lobban MBE, Dr Jim Moore, Professor Simon Ray, Helen Williams and the Stroke in Atrial Fibrillation Initiative (SAFI) which comprises the pharmaceutical companies Bayer, Daiichi Sankyo UK, Bristol Myers Squibb Pharmaceuticals Limited and Pfizer operating as the BMS-Pfizer Alliance.
- No funding has been provided by the SAFI group to individuals or organisations involved in the pathway co-development. SAFI has provided funding to Policy Matters as the SAFI secretariat to provide meeting logistics, practical assistance with materials development and support to co-ordinate pathway development.
- As SAFI will be disbanding, ownership of and responsibility for the pathway and associated materials will transfer to the Primary Care Cardiovascular Society following the launch on 2nd March 2023.

Endorsing organisations



British Cardiovascular Society



Strake

Associatio



About the AF detection and diagnosis pathway

| Acknowledgements | The Atrial Fibrillation (AF) detection and diagnosis pathway has been developed in response to the COVID-19 pandemic. It provides guidance set in the context of the current environment in which face-to-face patient appointments have reduced and the use of technology has increased^{1,2} |
|---------------------------|--|
| The impact of COVID-19 | The pathway highlights where digital options can support the detection and diagnosis of AF in at risk groups, helping to ensure that those identified as having the condition are referred for appropriate management |
| AF Detection Pathway | The pathway reflects the increased emphasis on finding new ways of engaging with people and the focus on prevention and improving population health. It is aligned with national guidance, NHSE priorities for 2023-24, the Long Term Plan and national digital strategies³⁻⁶ |
| Developing local pathways | |
| Implementing the pathway | |
| Resources: digital | |
| Resources: hcp | |
| Resources: patients | |
| | |

The impact of COVID-19 on CVD prevention and services



 Maximise opportunities to drive health improvement within routine health and care interactions by <u>Making Every</u> <u>Contact Count (MECC)</u>¹²

This resource has been co-developed by Trudie Lobban MBE, Dr Jim Moore, Professor Simon Ray, Helen Williams and the Stroke in Atrial Fibrillation Initiative (SAFI) which comprises the pharmaceutical companies Bayer, Daiichi Sankyo UK, Bristol Myers Squibb Pharmaceuticals Limited and Pfizer operating as the BMS-Pfizer Alliance. No funding has been provided by the SAFI group to individuals or organisations involved in the pathway co-development. SAFI has provided funding to Policy Matters as the SAFI secretariat to provide meeting logistics, practical assistance with materials development and support to co-ordinate pathway development. As SAFI will be disbanding, ownership of and responsibility for the pathway and associated materials will transfer to the Primary Care Cardiovascular Society following the launch on 2nd March 2023.

References

The Pathway - detecting and diagnosing AF in people at risk



References

What to consider when developing optimal local pathways

Acknowledgements Key considerations: The ability to carry out single lead and 12 lead electrocardiogram (ECG) locally (GP practice or community hub) with interpretation About the pathway by a suitably trained and experienced clinician Anticoagulation to be initiated and managed in primary care Referrals to secondary care prioritised for those requiring further evaluation or more complex cases The impact of COVID-19 Avoiding delays to treatment initiation and maximising AF-related stroke protection **AF Detection Pathway** Optimising local resource and capability **Developing local pathways** Local AF pathways will vary depending on local resource and should be tailored to meet local needs Where individual GP practices do not have resources to diagnose and manage people with AF in-house, developments such as primary Implementing the pathway care networks and the introduction of community diagnostic hubs offer opportunities to build local services with shared resources and expertise to realise efficiencies for patients and the NHS and to avoid unnecessary hospital referrals Strengthening and building local capability to detect, diagnose and manage AF is key to reducing reliance on secondary care at **Resources: digital** a time when capacity is needed to address the COVID-related backlog in non-emergency care Commissioning decisions should increase support for GP practices or PCNs to invest in technologies to enable remote delivery of services **Resources: hcp** Consider the impact of local health inequalities, and mitigate against further inequity e.g. digital exclusion arising from the increased use of remote consultations and digital technology Increase patient awareness, information, education e.g. Arrhythmia Alliance Know Your Pulse **Resources: patients**

References

Mobilising the wider NHS workforce to detect AF in at risk individuals

| Acknowledgements | Setting | Role | Pathway relevance |
|---|--|---|---|
| About the pathway The impact of COVID-19 | Secondary care A&E, inpatients, outpatient clinic (e.g. cardiac/ cardiology, diabetes, stroke, falls, frail elderly, audiology, ophthalmology, respiratory, renal, rheumatology) | Clinical teams may encounter at risk individuals in emergency care settings, on wards and at point of referral for other conditions. Opportunities exist to detect AF in line with NHS Long Term Plan. Need to be aware of local pathways so people with suspected AF can be referred on and managed in local settings. | Referring to local primary care pathways for the management of AF will reduce reliance on secondary care, freeing up time and resources to manage those that require further evaluation and more complex cases. |
| AF Detection Pathway Developing local pathways | Primary care GP appointment, nurse-led clinic, phlebotomy, NHS Health Check, vaccination clinic, pharmacy contact, screening clinic | Primarily identifying AF in self-reporting individuals or identifying at risk individuals through routine appointments. Need to be aware of local pathways to maximise identification and management of people with AF. | Pathway signposts to digital resources that can maximise remote interactions with at risk individuals, enabling the continuation of AF detection and diagnosis when face-to- face pulse checks are not possible. Pathway users should consider the needs of the individual to avoid digital-exclusion. |
| Implementing the pathway Resources: digital | Pharmacy Medicines - Medicines Use Review (MUR), New Medicine Services (NMS), Structured Medication Reviews (SMRs), vaccination, blood pressure / cholesterol / blood sugar testing, smoking cessation | The pharmacy team may be the primary point of contact for some people, especially those with long term conditions. Need to be aware of local pathways to maximise identification and management of people with AF. | Pathway signposts to digital resources that can maximise remote interactions with at risk individuals, enabling the continuation of AF detection and diagnosis when face-to- face pulse checks are not possible. Pathway users should consider the needs of the individual to avoid digital-exclusion. |
| Resources: hcp Resources: patients | Community services Long-term conditions, following falls or stroke, podiatry, smoking cessation, physiotherapy, occupational therapy | In light of fewer face-to-face primary care appointments and increased role of digital, services may be seeing a broader range of people. They may be the primary point of contact for self-reporting or used to maximise opportunities to provide routine pulse checks, in line with the NHS Long Term Plan. Need to be aware of local pathways to maximise identification and management of people with AF. | Pathway outlines a process to follow if people self-report with irregular pulse or are identified as having symptoms of AF. |

Resources: digital technologies

| 5 | NICE evaluations of digital technologies | | Link |
|-------|--|--|------------|
| | Mobile ECG | KardiaMobile, NICE Medical Technologies Guidance MTG64 | Click here |
| | | Zio XT, NICE Medical Technology Guidance MTG52 | Click here |
| | | Zenicor & MyDiagnostick, NICE Diagnostics Guidance DG35 Lead-1 ECG devices for detecting symptomatic AF using single time point testing in primary care | Click here |
| ID-19 | Blood pressure (BP) monitors | Some (not all) automated blood pressure (BP) monitors are able to detect an irregular heart rhythm. Before using an automated BP monitor a manual pulse check for irregular rhythm should be done. NOTE: If an automated BP monitor repeatedly reports an 'error' reading this should be investigated as possible AF | |
| lay | | NICE Guideline NG196 provides guidance on detection and diagnosis of AF | Click here |

| Other resources for digital technologies | | Link |
|--|---|-------------------|
| Arrythmia Alliance | Understanding ECG Monitors. Resource booklet for healthcare professionals and patients, to support decisions about digital technologies | <u>Click here</u> |
| UCLPartners | Digital tools for Atrial Fibrillation | Click here |
| British Cardiovascular Society | The Future of Cardiology. See Appendix 1 | <u>Click here</u> |
| Primary Care Cardiovascular Society | CVD prevention during the COVID-19 pandemic. Guidance for primary care teams. See section 'Promote remote technology' | Click here |

References

This resource has been co-developed by Trudie Lobban MBE. Dr Jim Moore, Professor Simon Ray, Helen Williams and the Stroke in Atrial Fibrillation Initiative (SAFI) which comprises the pharmaceutical companies Bayer, Daiichi Sankyo UK, Bristol Myers Squibb Pharmaceuticals Limited and Pfizer operating as the BMS-Pfizer Alliance. No funding has been provided by the SAFI group to individuals or organisations involved in the pathway co-development. SAFI has provided funding to Policy Matters as the SAFI secretariat to provide meeting logistics, practical assistance with materials development and support to co-ordinate pathway development. As SAFI will be disbanding, ownership of and responsibility for the pathway and associated materials will transfer to the Primary Care Cardiovascular Society following the launch on 2nd March 2023.

Implementing the pathway

Developing local pathways

Resources: digital

Acknowledgemer

About the pathwa

The impact of CO

AF Detection Patl

Resources: hcp

Resources: patients

Resources: healthcare professional

Acknowledgements

About the pathway

The impact of COVID-19

AF Detection Pathway

Developing local pathways

Implementing the pathway

Resources: digital

Resources: hcp

Resources: patients

References

| Clinical Guidelines | | Link |
|-----------------------------------|--|-------------------|
| NICE | NICE Guideline (NG196) Atrial fibrillation: diagnosis and management. April 2021 | <u>Click here</u> |
| European Society of Cardiology | 2020 ESC Guidelines for the diagnosis and management of AF | <u>Click here</u> |

| CVD resources | | Link |
|---|---|---|
| AF Association Arrhythmia Alliance | AF Medical reports and Guidelines AF Healthcare Pioneers AF White Paper <i>Put People First</i> | <u>Click here</u> <u>Click here</u> <u>Click here</u> |
| AHSN network | AF toolkit: Working together to prevent AF- related strokes | <u>Click here</u> |
| British Cardiovascular Society | The Future of Cardiology | <u>Click here</u> |
| NICE | CVD prevention: detecting AF and anticoagulation | <u>Click here</u> |
| Primary Care Cardiovascular Society | Resources page | <u>Click here</u> |
| Stroke Association | Atrial Fibrillation: information and resources | Click here |
| UCLPartners | Proactive Care Framework CVD resources | Click here |

| Pathways | | Link |
|-------------|---|-------------------|
| NHS England | CVD prevention pathway | Click here |
| UCLPartners | UCLPartners Proactive Care Framework: Atrial Fibrillation - Stroke Prevention and Managing Cardiovascular Risk | <u>Click here</u> |

| COVID-19 and CVD | | Link |
|--|---|-------------------|
| Arrhythmia Alliance | Opportunistic AF detection during COVID-19 vaccination clinics | <u>Click here</u> |
| Primary Care Cardiovascular Society (PCCS) | COVID-19 resources | Click here |
| Oxford AHSN, PCCS, Getting it Right First Time | CVD prevention during the COVID- 19 pandemic. Guidance for primary care teams | Click here |
| | CVD Prevention during and after the COVID-19 pandemic. Guidance for integrated care systems | Click here |

Resources: patients

Acknowledgements

About the pathway

The impact of COVID-19

AF Detection Pathway

Developing local pathways

Implementing the pathway

Resources: digital

Resources: hcp

Resources: patients

| Information on AF | | Link |
|--------------------------|--|------------|
| AF Association | AF Association patient resources | Click here |
| Arrhythmia Alliance | Arrhythmia Alliance patient resources | Click here |
| British Heart Foundation | Atrial fibrillation (AF) : causes, symptoms and treatments | Click here |
| NHS | Overview: atrial fibrillation | Click here |
| Stroke Association | Atrial fibrillation | Click here |

| Taking your pulse | | Link |
|--------------------------|-------------------------------|------------|
| Arrhythmia Alliance | Know Your Pulse video | Click here |
| | What is an arrhythmia | Click here |
| British Heart Foundation | How to check your pulse video | Click here |

References

References

| Acknowledgements | 1. | British Cardiovascular Society. The Future of Cardiology. BCS working group. August 2020. Last accessed January 2023. |
|---------------------------|-----|--|
| | 2. | Department of Health and Social Care (DHSC) and Office for National Statistics (ONS). Direct and Indirect Health Impacts of COVID- <u>19 in England</u> . Short Paper. 17th September 2021. Last accessed January 2023. |
| About the pathway | 3. | NHS England. 2023/24 priorities and operational planning guidance. 23 December 2022. Last accessed January 2023. |
| | 4. | NHS England. The NHS Long Term Plan. January 2019. Last accessed January 2023. |
| The impact of COVID-19 | 5. | Government Office for Science and Council for Science and Technology. <u>Harnessing technology for the long-term sustainability of the</u> <u>UK's healthcare system</u> . 23 August 2021. Last accessed January 2023. |
| AF Detection Pathway | 6. | NHS England - Transformation Directorate. Digital Clinical Safety Strategy. 17 September 2021. Last accessed January 2023. |
| | 7. | British Heart Foundation (BHF). News Archive. 9 April 2020. Last accessed January 2023. |
| Developing local pathways | 8. | Public Health England. Emergency department syndromic surveillance system: England. 1 April 2020. Last accessed January 2023. |
| Implementing the pathway | 9. | Thornton J. Stroke: "striking reductions" are seen in number of people with symptoms seeking help. BMJ 2020;369:m1406. Last accessed January 2023. |
| | 10. | Williams R et al. <u>Diagnosis of physical and mental health conditions in primary care during the COVID-19 pandemic: a retrospective</u> <u>cohort study</u> . Lancet Public Health 2020; 5: e543–50. Last accessed January 2023. |
| Resources: digital | 11. | Public Health England. Health matters: preventing cardiovascular disease. Feb 2019. Last accessed January 2023. |
| Resources: hcp | 12. | Health Education England. Making every contact count. Last accessed January 2023. |
| | | |

Resources: patients

References