Supplementary Table 1 – interview guide for semi-structured interviews

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| **GPs** | **Practice nurses** | **Practice managers** |
| *Screening program – views* |
| * How satisfied were you with the screening process overall?
* What aspects of the screening program do you think were useful for your patients and your practice?
* What did you like about the screening program? Did you find it useful and convenient?
* What is your estimate of the average amount of time that AF screening added to the amount of time you usually spend per patient?
* Did you read the QI reports? Were they useful?
 | * How satisfied were you with the screening process overall?
* On a scale of 1 to 10, with 10 being very confident and 1 being not at all confident, how confident were you with doing the screening?
* Do you feel you received sufficient training and support? If not, what extra training or support would have been useful for you?
* Were there any things you liked about the screening process? Did you find it convenient?
* What is your estimate of the average amount of time that AF screening added to the amount of time you usually spend per patient?
* Did you read the QI reports? Were they useful?
 | * How satisfied were you with the screening program overall?
* Do you feel the staff received sufficient training and ongoing support? If not, what extra training or support would have been useful for them?
* Was there a cost to providing the screening to your practice? Do you think the financial assistance provided was sufficient to cover the cost?
* In what ways did the screening program (including data collection) impact on the workflow of the practice? Do you have any comments on the amount of work involved for you?
* Did your practice participate in any other studies during the AF screening program?
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| *Areas for improvement in the screening program* |
| * Was there anything you didn’t like or found difficult with the screening program?
* Did the screening program interfere with workflow in the practice?
* What are your recommendations for improving the screening process?
 | * Were there any aspects of the screening process that you did not like or were difficult for you? If so, can you describe these in more detail?
* Do you have any recommendations for improving the screening process?
 | * Were there any aspects of the screening process that you did not like or were difficult for your practice? If so, can you describe these in more detail?
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| *Patient perspective*  |
| * Did you feel it made you more engaged with your patients?
* How did your patients respond to the screening program?
 | * What aspects of the screening program do you think were useful for patients?
* How did you feel the patients responded to the screening?
 | * Did your patients find the AF screening valuable?
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| *Follow up and diagnosis* |
| * Did your practice have clear protocol for abnormal results?
* How did your practice deal with unclassified results?
* Did you do or order a 12 lead ECG on patients with positive result for AF?
 | * How did you communicate abnormal results to the GP and the patients?
* Did you do or request a 12 lead ECG on patients with abnormal screening results?
* Did you have any false positive results? If so, what was the impact?
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| *AF treatment / knowledge* |
| * Did you use the EDS? If the answer is yes, in what way, if any, did the EDS assist with your knowledge of atrial fibrillation-related stroke risk?
* As a result of the study, did you change the management of any patient with known or new AF? Did you change management regarding OAC?
 | * Did you take part in the AF training for nurses? If yes, do you have any comments on the training?
* Did the screening program and the nurses’ training (if attended) assist with your knowledge of atrial fibrillation and AF-related stroke risk?
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| *AF screening in future* |
| * Can you see a sustainable role of screening for AF outside of the flu/shingles vaccination period, and what would that be?
 | * Can you see a sustainable role of screening for AF outside of the flu/shingles vaccination period, and what would that be?
 | * Would your practice consider running an AF screening program again in future?
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| *Other issues* |
| * Are there any other issues not covered that you would like to talk about?
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AF, atrial fibrillation; GP, general practitioner; EDS, electronic decision support; OAC, oral anticoagulant; ECG, electrocardiogram