

Fig. 1 Flowchart of AF screening and MAFA II project. *PPG: Photoplethysmography

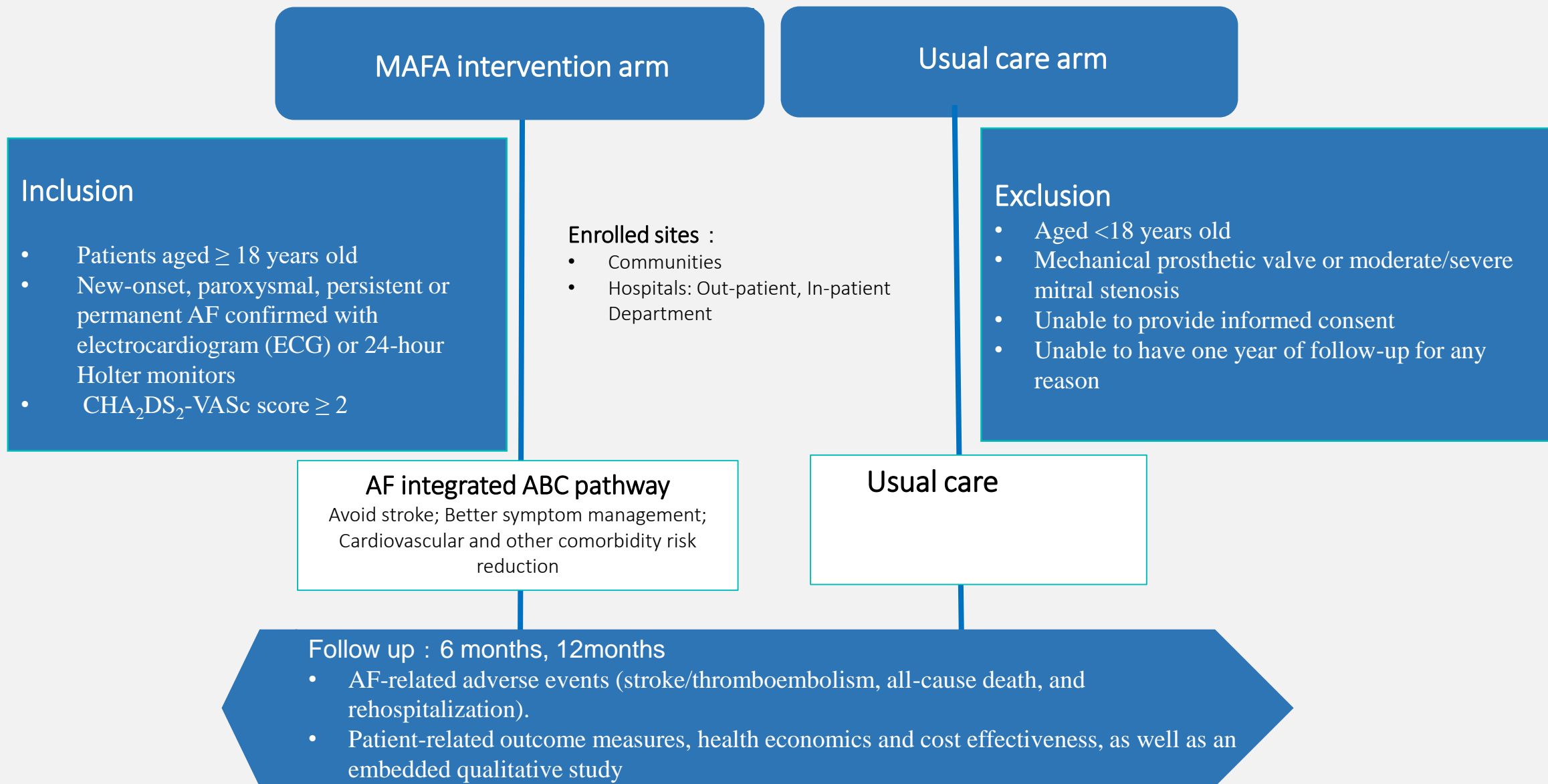
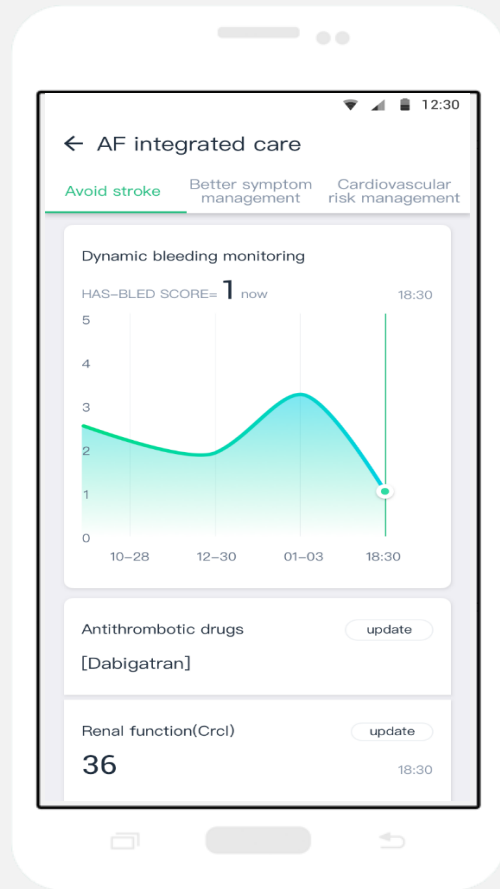
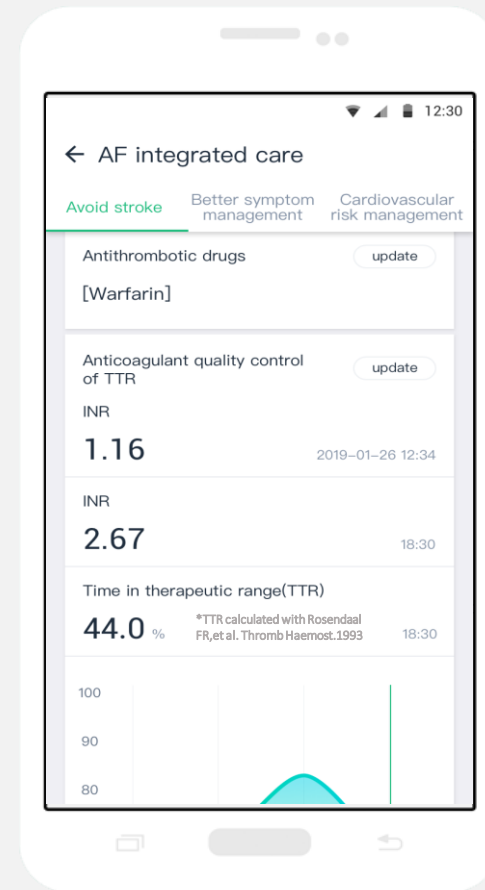


Fig. 2 MAFA II study design



3A



3B

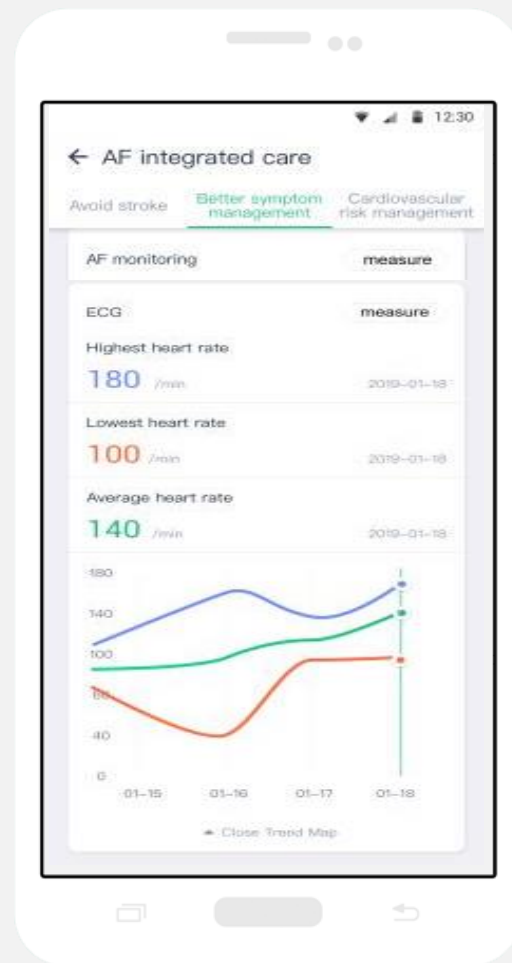
Fig. 3 MAFA II: AF integrated care pathway A.

3A. Dynamic bleeding monitoring

3B. Anticoagulant quality control of TTR. TTR: Time in therapeutic range.



4A

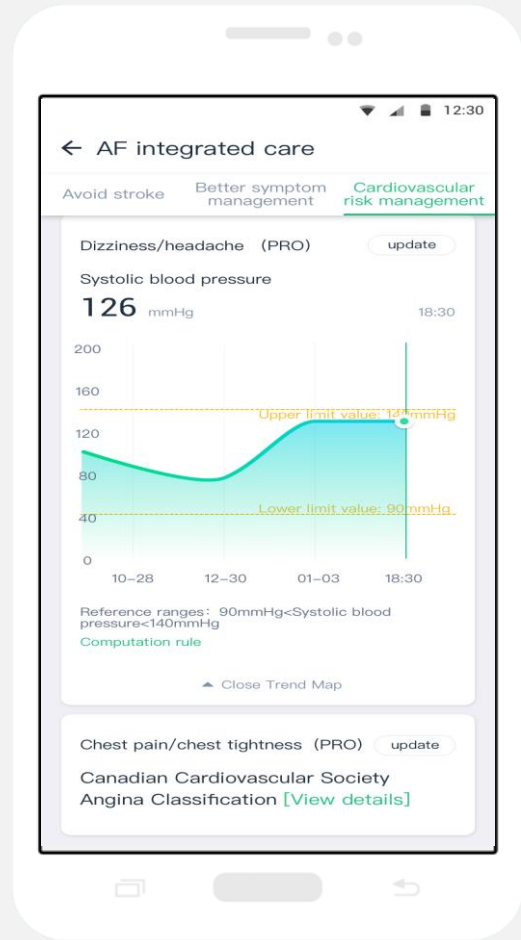


4B

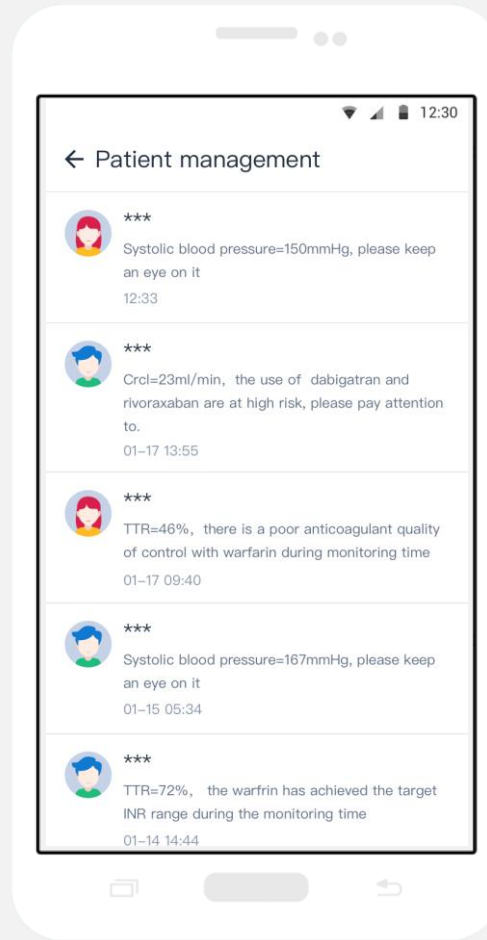
Fig. 4 MAFA II: AF integrated care pathway B.

4A. AF risk monitoring with smart device with PPG. Green: normal rhythm, Yellow: irregular cardiac rhythm, Red: doubted AF episodes. The alert would be sent to the users for further confirmation and management when “doubted” AF were monitored.

4B. ECG monitoring



5A



5B

Fig. 5 MAFA II: AF integrated care pathway C.

5A Systolic blood pressure monitoring on PmAFA, suboptimal readings would be 'flagged up' for optimization of treatment.

5B Reminders for optimization of blood control on DmAFA. * PmAFA: mAFA for patients, DmAFA: mAFA for doctors. PRO: patient reported outcome

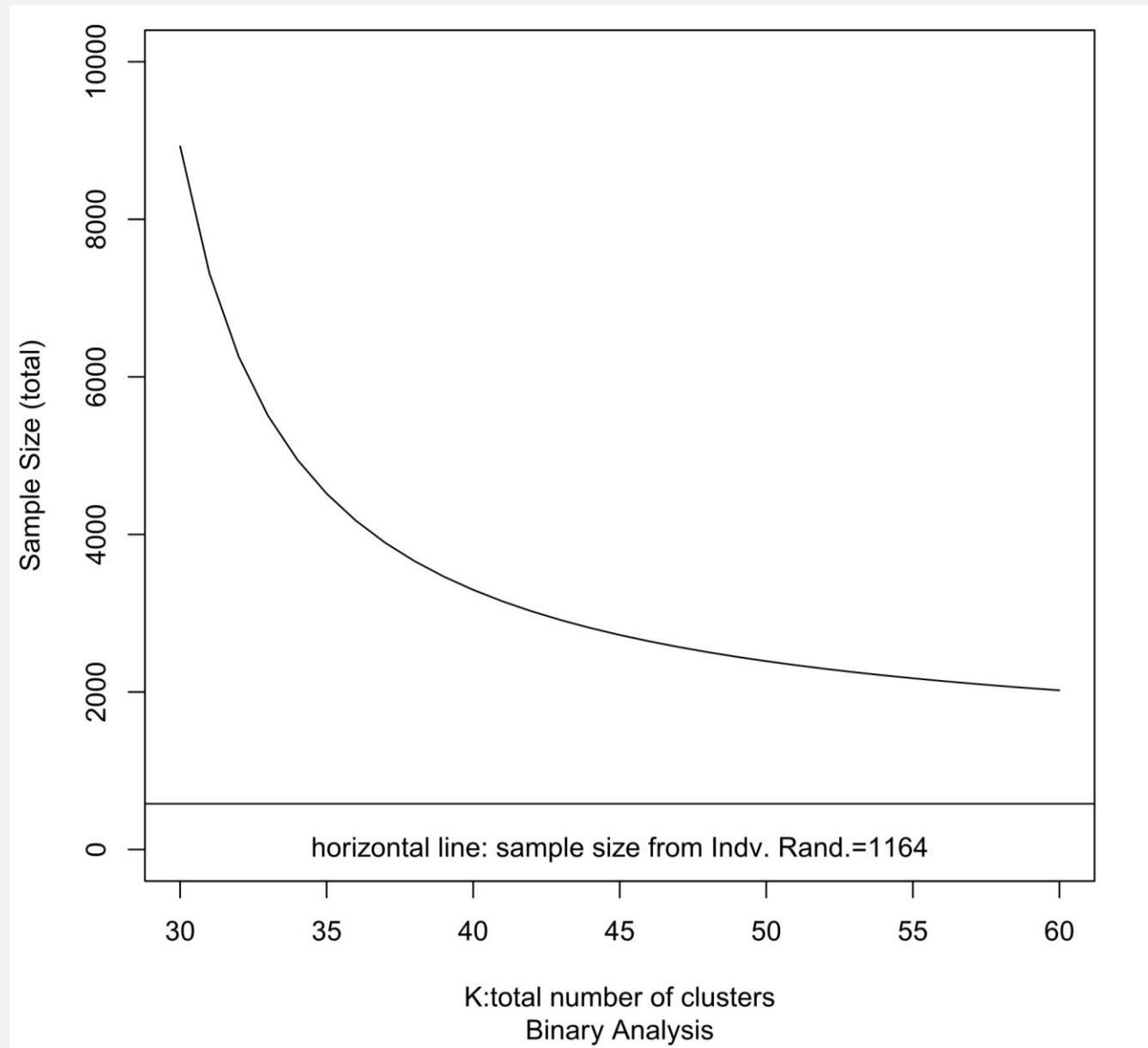


Fig. 6 Sample size for cluster randomization