



## **Appendix 1**

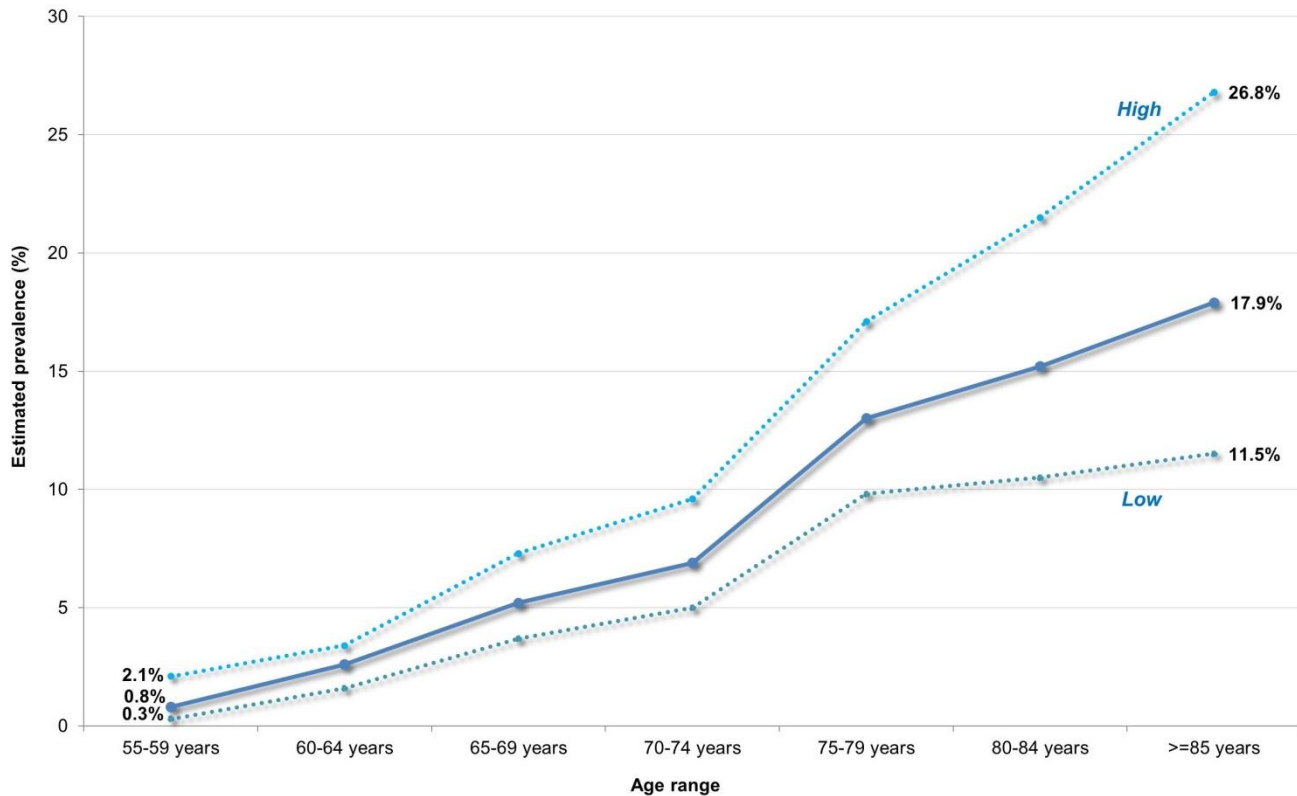
**This appendix was part of the submitted manuscript and has been peer reviewed.  
It is posted as supplied by the authors.**

Appendix to: Ball J, Thompson DR, Ski CF, et al. Estimating the current and future prevalence of atrial fibrillation in the Australian adult population. *Med J Aust* 2015; 202: 32-35. doi: 10.5694/mja14.00238.

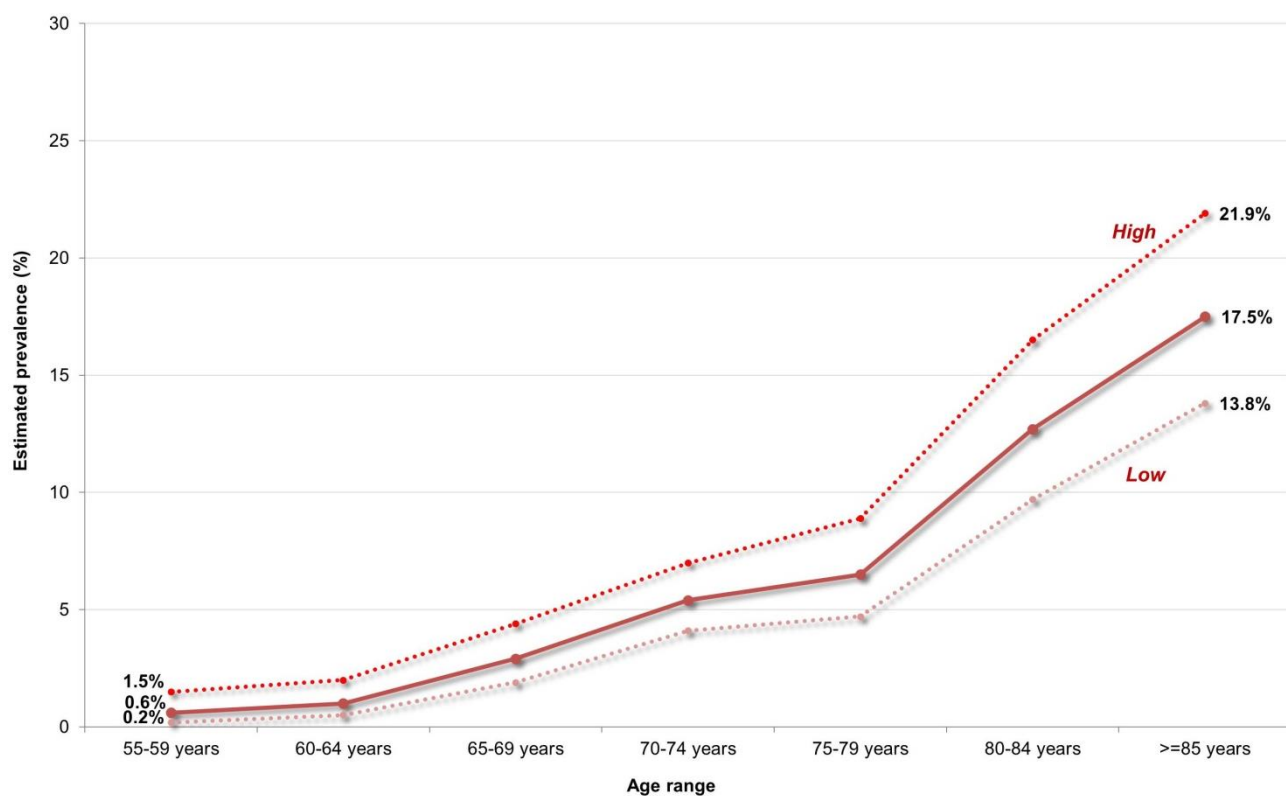
## Appendix 1 – Sensitivity analysis

To test the validity and accuracy of applying the chosen international prevalence statistics (from the Rotterdam Study) to the Australian population to estimate the prevalence of atrial fibrillation (AF), we conducted sensitivity analyses using the 95% confidence intervals (CIs) calculated and presented by Heeringa et al. (2006). Tables and graphs illustrating these analyses are presented below.

### (A) Males



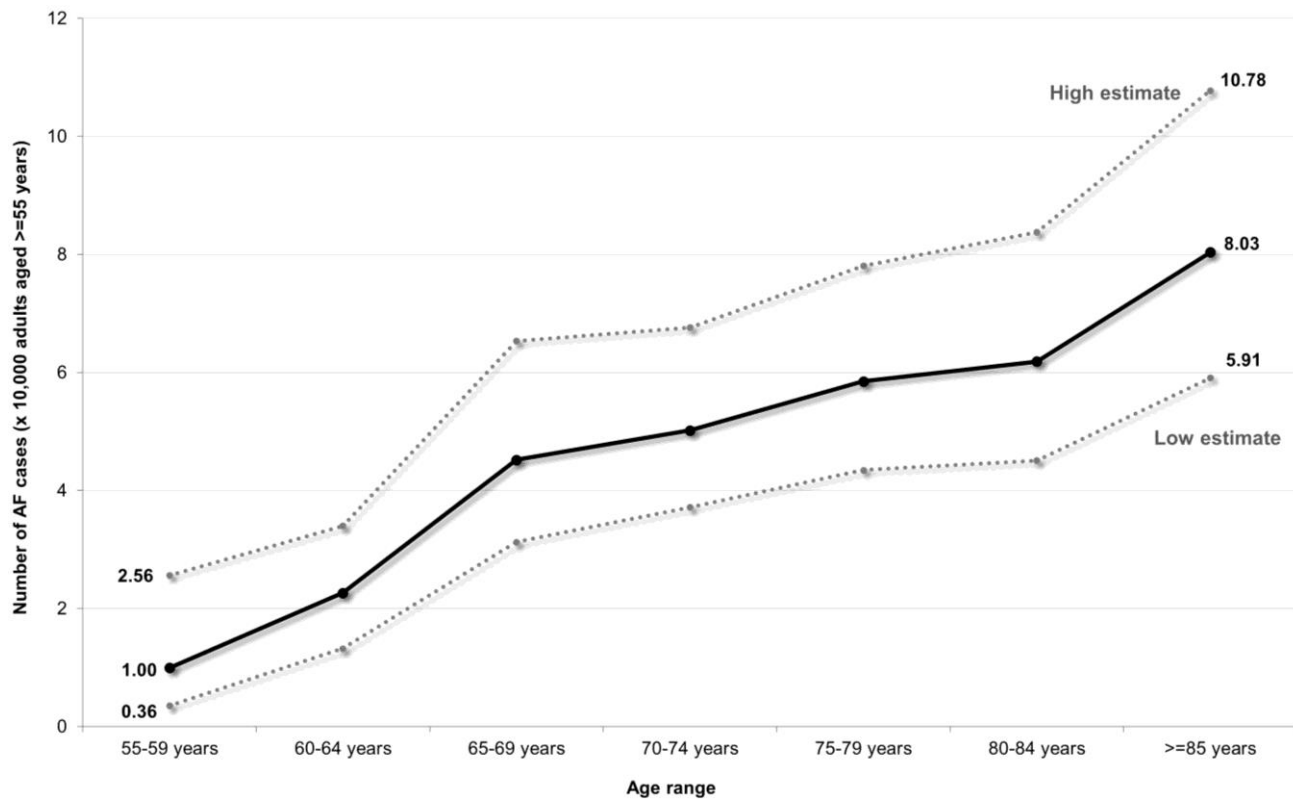
### (B) Females



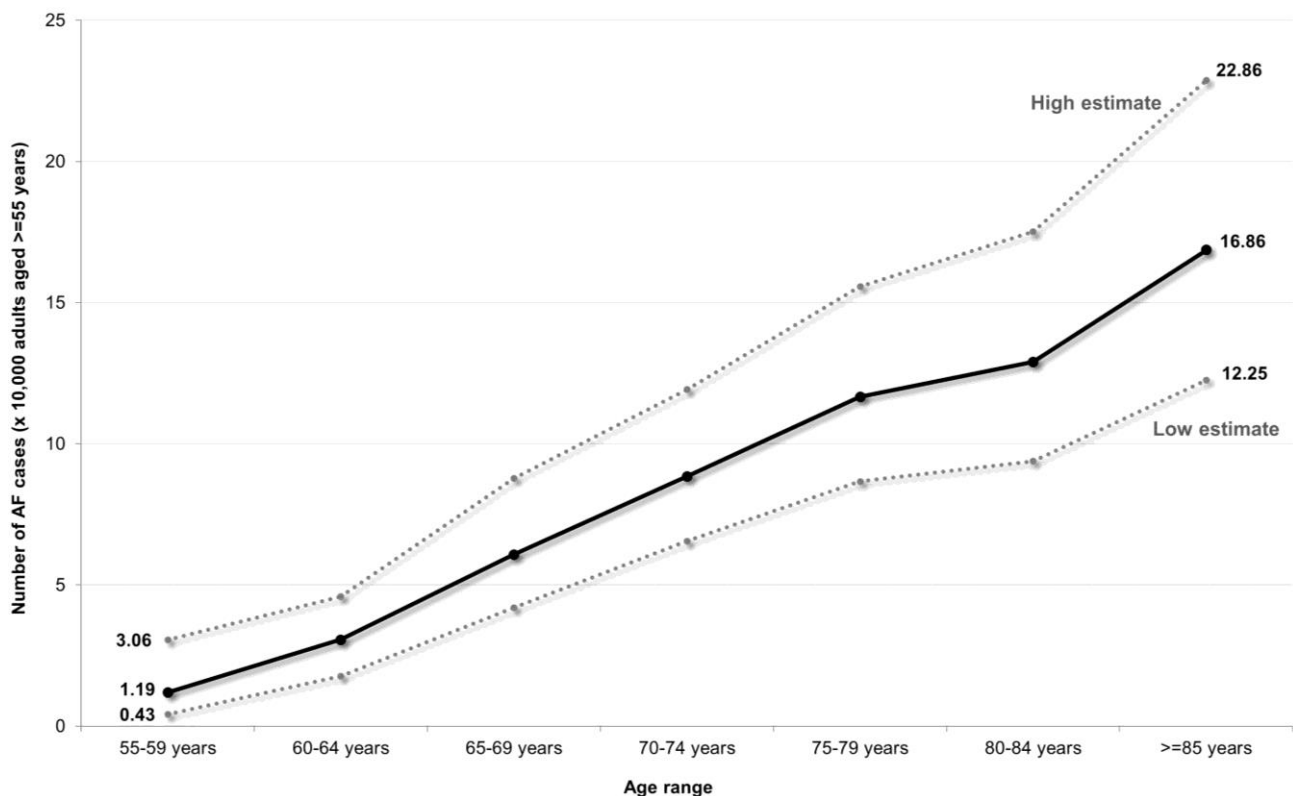
**Figure 1:** Chosen age-specific AF prevalence estimates (%) with high and low estimates of accuracy in males (A) and females (B) aged ≥55 years

The following graphs illustrate the overall number of individuals with AF/number of AF cases estimated in the Australian adult population (those aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 and the number of cases predicted to exist in Australian adults (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2034. In addition, the high and low estimates of accuracy (i.e. 95% CI) have been applied to Australian population data and are represented.

**(A) Overall estimated number of AF cases – Australian adults at 30<sup>th</sup> June, 2014**



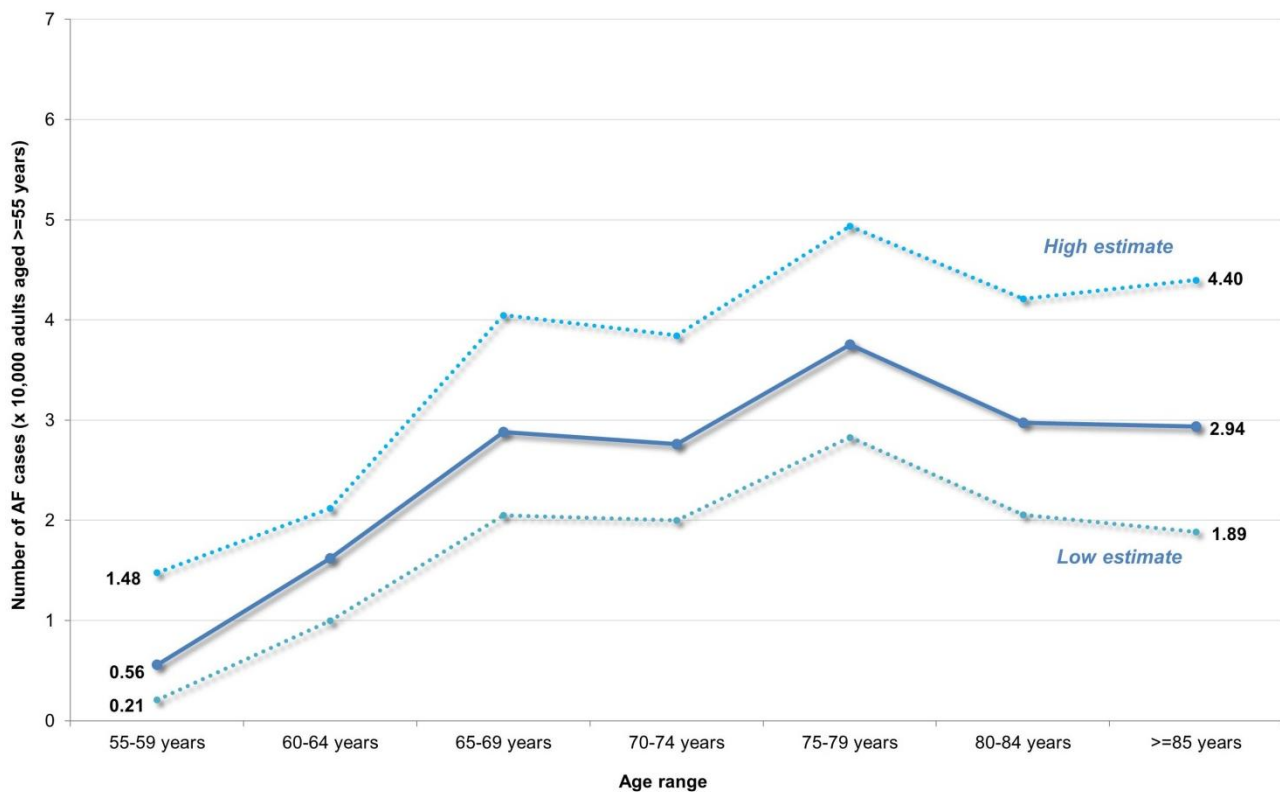
**(B) Overall predicted number of AF cases – Australian adults at 30<sup>th</sup> June, 2034**



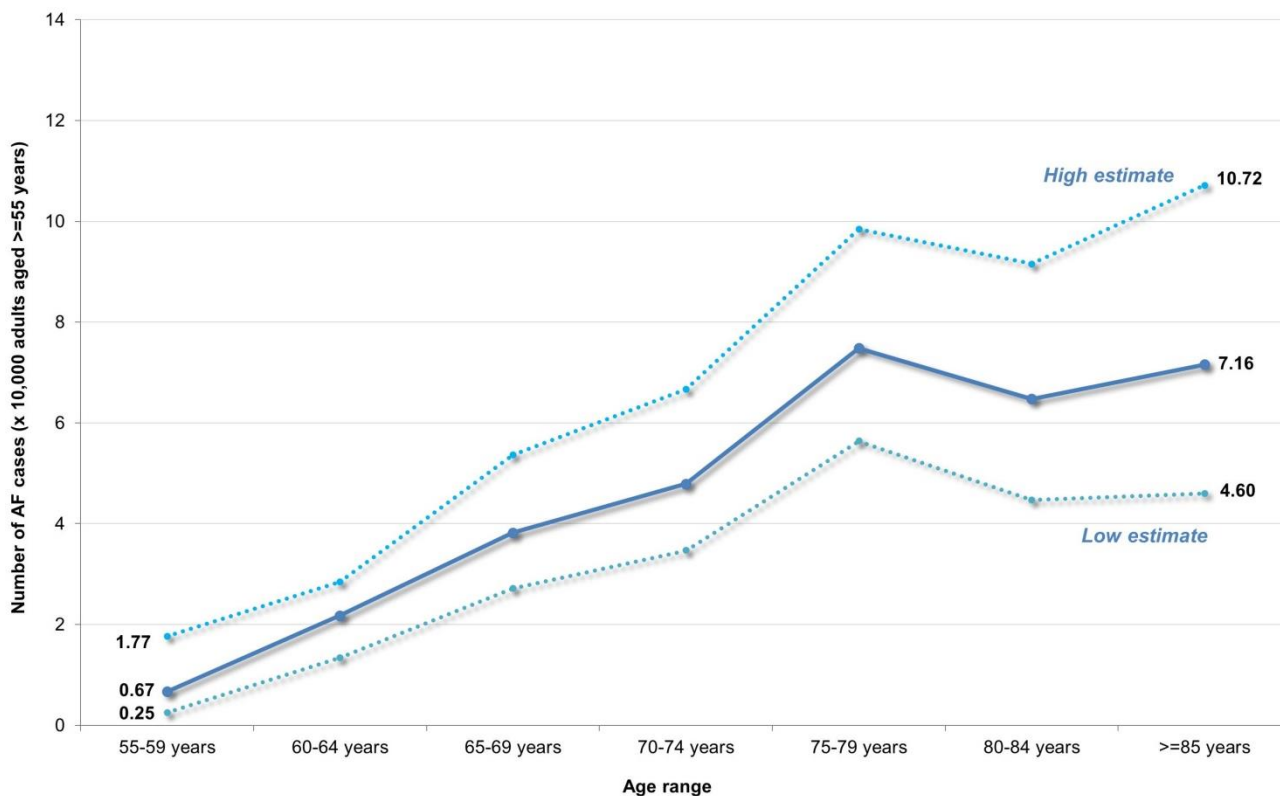
**Figure 2: Estimated number of AF cases in the overall Australian adult population (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 (A) and predicted at 30<sup>th</sup> June, 2034 (B) with high and low estimates of accuracy**

The following graphs illustrate the number of males with AF/number of AF cases estimated in the Australian adult population (those aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 and the number of cases predicted to exist in Australian adult males (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2034. In addition, the high and low estimates of accuracy (i.e. 95% CI) have been applied to Australian population data and are represented.

**(A) Estimated number of AF cases - Australian males at 30<sup>th</sup> June, 2014**



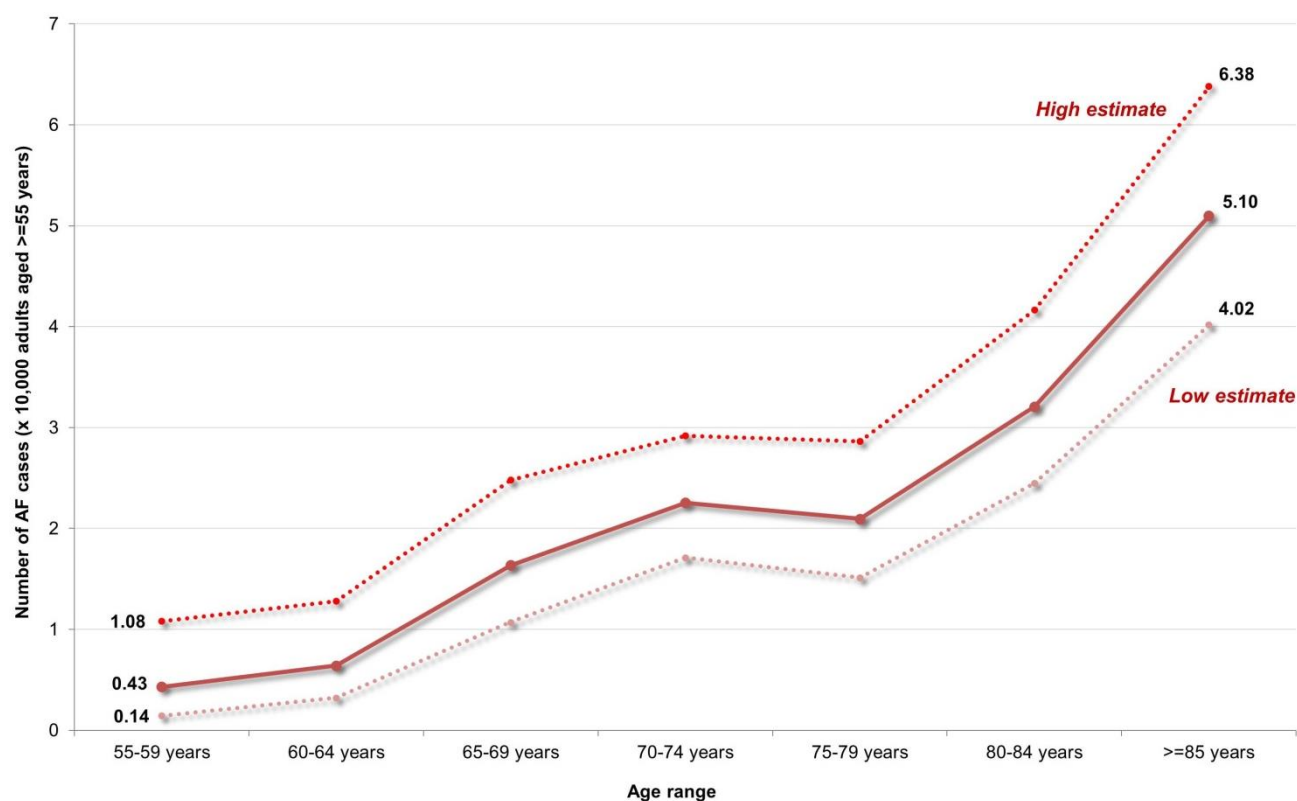
**(B) Predicted number of AF cases - Australian males at 30<sup>th</sup> June, 2034**



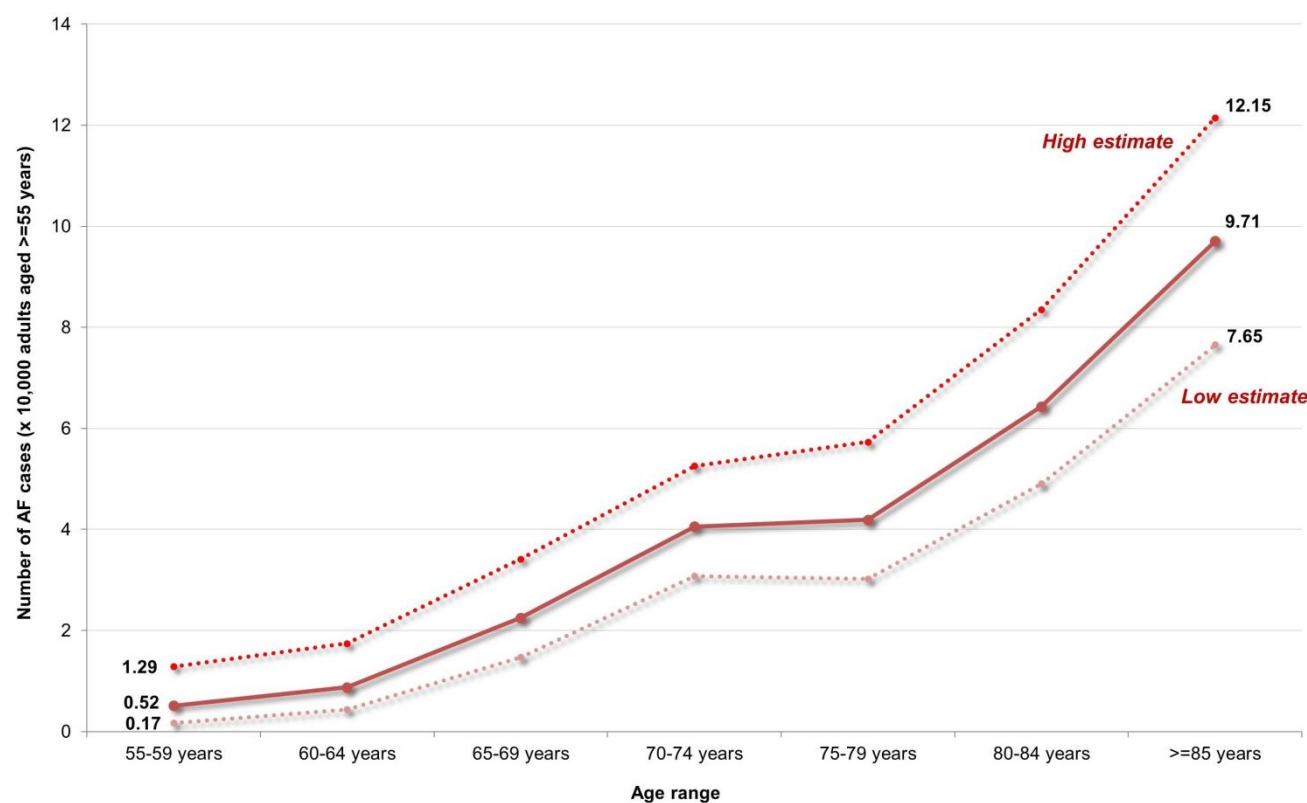
**Figure 3: Estimated number of AF cases in the Australian adult male population (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 (A) and predicted at 30<sup>th</sup> June, 2034 (B) with high and low estimates of accuracy**

The following graphs illustrate the number of females with AF/number of AF cases estimated in the Australian adult population (those aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 and the number of cases predicted to exist in Australian adult females (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2034. In addition, the high and low estimates of accuracy (i.e. 95% CI) have been applied to Australian population data and are represented.

**(A) Estimated number of AF cases - Australian females at 30<sup>th</sup> June, 2014**



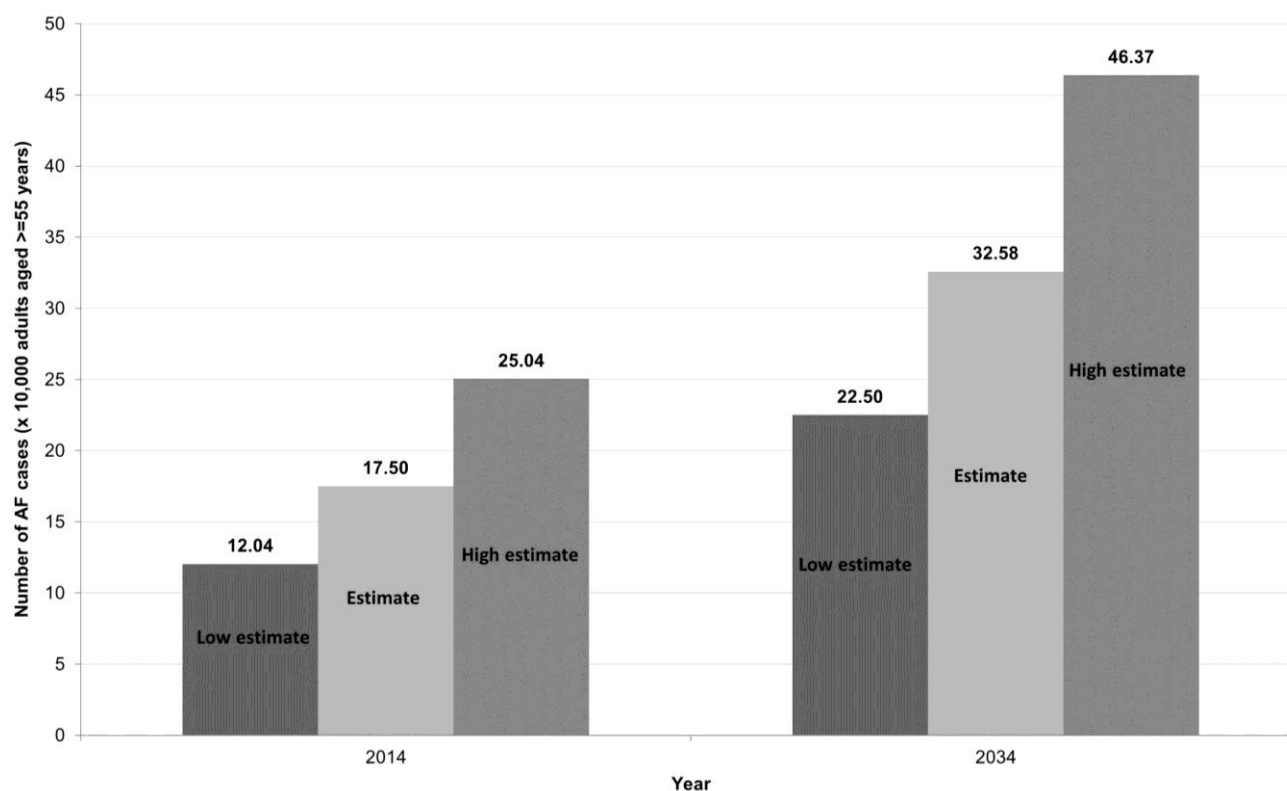
**(B) Predicted number of AF cases - Australian females at 30<sup>th</sup> June, 2034**



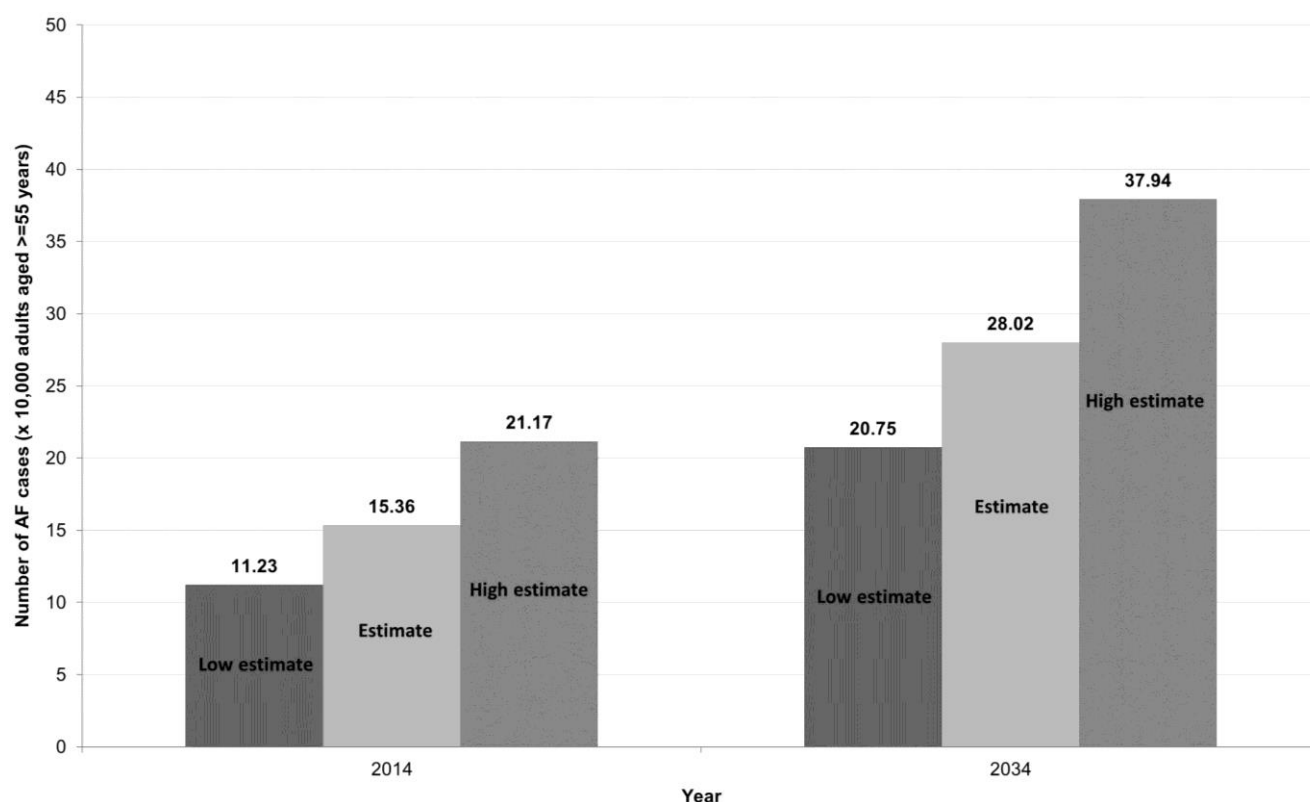
**Figure 4: Estimated number of AF cases in the Australian adult female population (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 (A) and predicted at 30<sup>th</sup> June, 2034 (B) with high and low estimates of accuracy**

The following graphs illustrate the total number of individuals with AF/number of AF cases estimated in the Australian adult population (those aged  $\geq 55$  years) at 30<sup>th</sup> June, 2014 and the number of cases predicted to exist in Australian adults (aged  $\geq 55$  years) at 30<sup>th</sup> June, 2034. In addition, the high and low estimates of accuracy (i.e. 95% CI) have been applied to Australian population data and are represented.

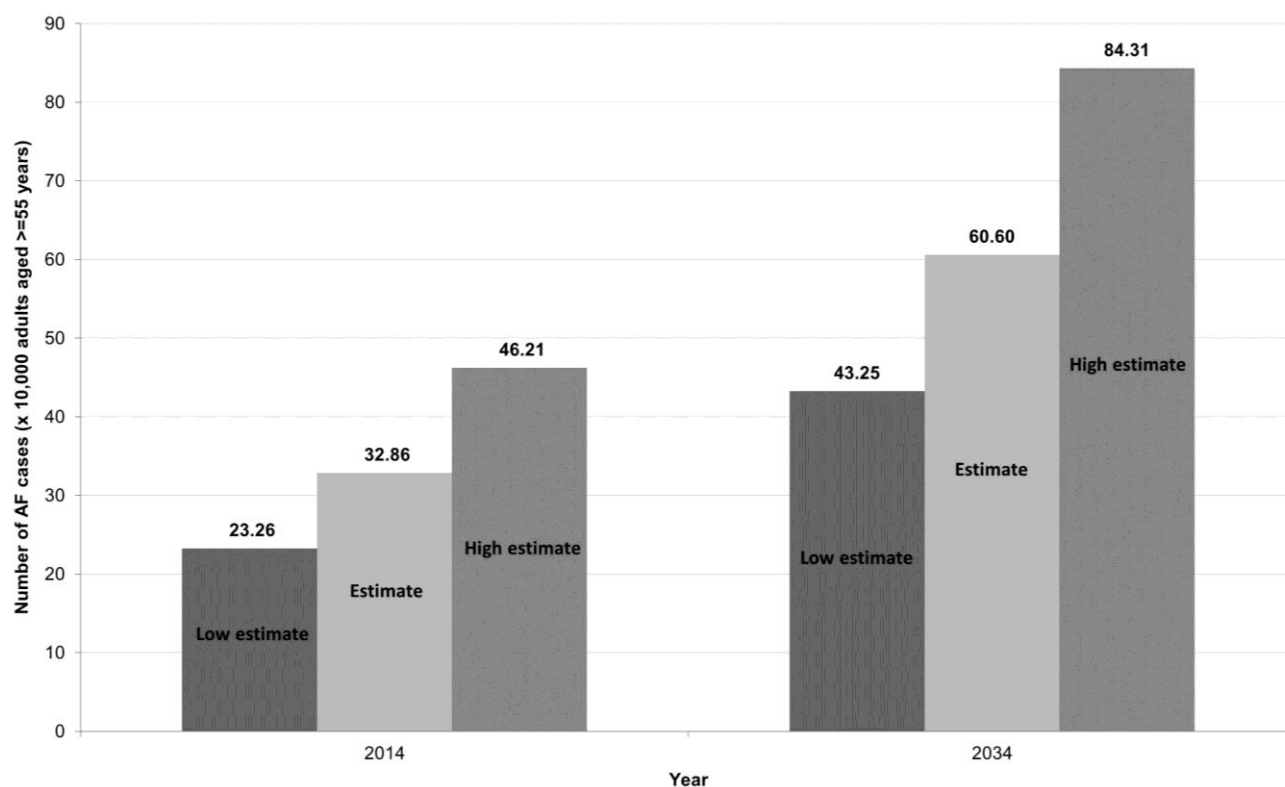
**(A) Estimated total number of AF cases in Australian adult males at 30<sup>th</sup> June, 2014 and predicted numbers as at 30<sup>th</sup> June, 2034 (with high and low estimates of accuracy)**



**(B) Estimated total number of AF cases in Australian adult females at 30<sup>th</sup> June, 2034 and predicted numbers as at 30<sup>th</sup> June, 2034 (with high and low estimates of accuracy)**



**(C) Estimated total number of AF cases in Australian adults overall at 30<sup>th</sup> June, 2014 and predicted numbers as at 30<sup>th</sup> June, 2034 (with high and low estimates of accuracy)**



**Figure 5:** Estimated total number of AF cases in Australian adult males (A), females (B) and overall (C) aged ≥55 years at 30<sup>th</sup> June, 2014 and predicted numbers as at 30<sup>th</sup> June, 2034 (with high and low estimates of accuracy)