

#### Appendix 4

Diagnostic test results for five different index test combinations in the complete cases receiving a 12 lead ECG as reference test (n=793) and the pooled data after multiple imputation (n=4339)<sup>a</sup>.

Index test combinations	Combined test result	12 lead ECG results					
		Complete cases <sup>b</sup>			Pooled data <sup>c</sup>		
		AF	No AF	Total	AF	No AF	Total
<b>A</b>	$\geq 1$ index test +	30	455	485	32	499	531
	All index tests -	0	308	308	3	3805	3808
	Total	30	763	793	35	4304	4339
<b>B</b>	Radial pulse and/or MyDiagnostick +	30	384	414	32	413	445
	Radial pulse and MyDiagnostick -	0	379	379	3	3891	3894
	Total	30	763	793	35	4304	4339
<b>C</b>	Radial pulse and/or WatchBP Home A +	27	412	439	29	448	477
	Radial pulse and WatchBP Home A -	3	343	346	6	3856	3862
	Total	30	755	785	35	4304	4339
<b>D</b>	Radial pulse and MyDiagnostick +	20	32	52	21	32	53
	Radial pulse and/or MyDiagnostick -	10	731	741	14	4272	4286
	Total	30	763	793	35	4304	4339
<b>E</b>	Radial pulse and WatchBP Home A +	12	44	56	17	56	73
	Radial pulse and/or WatchBP Home A -	13	668	681	18	4248	4266
	Total	25	712	737	35	4304	4339

Abbreviations: AF (atrial fibrillation).

<sup>a</sup>By protocol, to limit verification bias, we strived to perform the reference test (12 lead ECG) in a 10% random sample of patients with three negative index tests. In addition, to calculate all relevant diagnostic parameters, we used multiple imputation in the analysis.

<sup>b</sup> The ‘complete cases’ present the patients actually receiving the 12 lead ECG, i.e. the patients with  $\geq 1$  positive index test plus the random sample of patients with three negative index tests.

<sup>c</sup> The ‘pooled data’ present the computed results (rounded numbers) of 100 datasets with 10 iterations per set, created with multiple imputation (see main text).