

An Atrial Fibrillation Dashboard evaluation using the think aloud protocol

Appendix 1: Classification of dashboard feedback

Key - A - Visibility of system status, B - Error messages/ help instructions, C - Meaning of labels/graphs, D - Layout/ screen organization, E- Dashboard controls, F - Meaning of tabular data

		Classification		
		Positive feedback	Negative feedback (Issues)	New feature suggestion
Incidence and Prevalence of Atrial Fibrillation	Ability to compare incidence and prevalence is positive	12	A	
	Useful to see potential earnings	8	A	
	Interpretation of confidence is difficult	6		D
	Graph is very useful	3	F	
	Unclear if comparison of incidence-prevalence was only for QOF	3		F
	Difficult to find which patient groups to target	2		F
	Would like to know how much practices have earned	2		A
	Difficult to interpret QOF as it is for 12 months	1		F
	Incidence-prevalence drop down is unclear	1		E
	Tables are useful	1	E	
	Too many graphs	1		D
	Would like to compare with similar practices rather than national average	1		F

	Would like to switch between graph and table will be useful	1		D
Risk Scoring AF Patients	Derived vs recorded is unclear	6		C
	Cannot interpret confidence intervals	4		C
	Difficult to distinguish different shades of the same colour	2		E
	Graph more useful than table	2	F	
	HASBLED is not used in our work	2		E
	Would like to have an in-built CHADVASC-HASBLED calculator	2		A
	Ability to compare risk scores is a positive experience	1	F	
	CHADVASC and HASBLED can be interpreted clearly	1	C	
	Difficult to interpret risk scores	1		C
	Helpful to see QOF	1	E	
	Would like to see for specific groups (CHADVASC 1+ for men)	1		A
	Would like to see money lost	1		A
	Anticoagulant prescription	Cannot interpret confidence intervals	6	
Graph is more useful than table		3	C	
Would like to know reason for anticoagulation		3		C
Too much information on display		2		D
Useful to see comparison with national average		2	A	
Would like to know incidence of bleeding is given		2		A

	Cannot interpret potential earnings	1	E
	Confidence intervals are useful	1	C
	EMIS reports something different	1	
	Would like to compare to HASBLED	1	A
	Would like to see workload for correct anticoagulation prescribing	1	A
Prescription of Anticoagulants at Suboptimal Doses	Different shades of the same colour cannot be differentiated	6	D
	Would like to have a link to current guidelines	5	B
	No text explaining the graph	2	C
	Not sure what 2 of 3 means	2	C
	Good to be able to switch drugs	2	E
	Larger graph required for clarity	2	E
	Table would be more useful than graph	2	C
	Too many dosage options to be clear in the visualisation used	2	C
	Would like to compare drugs side by side	2	E
	Not sure what colours mean	1	B
	Not sure what smiley face means	1	B
	Optimal dosage for specific age groups (e.g. Over 80s) not possible	1	A
	Pie chart would be more appropriate	1	E
	Sub-division of doses is positive	1	E

Warfarin needs to be included	1	A
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