

## Appendix

### Appendix 1

#### Novel and Established shortened versions of AUDIT-10 analysed

Overall rank	Selected novel & established combinations	AUDIT Domain <sup>1</sup>	Explained variance of total AUDIT-10 score (R <sup>2</sup> )	Cronbach's alpha	Pearson's correlations (r)
1	3,4,8 & 9	C, D, H	0.85	0.63	0.92
2	3,5,8 & 9	C, D, H	0.84	0.63	0.92
3	2,3,4 & 9	C, D, H	0.84	0.62	0.92
4	FAST (3,5,8 & 10)	C, D, H	0.83	0.61	0.91
5	2,3,5 & 9	C, D, H	0.83	0.61	0.91
6	2,4,8 & 9	C, D, H	0.82	0.61	0.91
7	3,4,7 & 9	C, D, H	0.83	0.60	0.91
8	3,6,8 & 9	C, D, H	0.81	0.63	0.90
9	2,5,8 & 9	C, D, H	0.82	0.60	0.91
10	2,3,6 & 9	C, D, H	0.81	0.60	0.90
11	3,5,7 & 9	C, D, H	0.81	0.60	0.90
12	2,4,7 & 9	C, D, H	0.81	0.58	0.90
13	2,4,5 & 9	C, D, H	0.80	0.59	0.89
14	2,6,8 & 9	C, D, H	0.80	0.59	0.89
15	1,4,8 & 9	C, D, H	0.81	0.56	0.90
16	2,5,7 & 9	C, D, H	0.80	0.57	0.89
17	3,6,7 & 9	C, D, H	0.80	0.57	0.89
18	AUDIT-4 (1,2,3 & 10)	C, H	0.74	0.66	0.86
19	3,4,9 & 10	C, D, H	0.82	0.54	0.90
20	1,3,5 & 9	C, D, H	0.77	0.62	0.86
21	1,5,8 & 9	C, D, H	0.79	0.56	0.89

22	3,5,9 & 10	C, D, H	0.80	0.55	0.89
23	1,2,4 & 9	C, D, H	0.85	0.51	0.88
24	1,3,4 & 9	C, D, H	0.79	0.61	0.83
25	2,4,6 & 9	C, D, H	0.79	0.55	0.89
26	2,5,6 & 9	C, D, H	0.78	0.56	0.88
27	2,6,7 & 9	C, D, H	0.79	0.54	0.89
28	1,2,5 & 9	C, D, H	0.83	0.51	0.87
29	2,4,9 & 10	C, D, H	0.80	0.51	0.90
30	AUDIT-C (1,2 & 3)	C	0.65	0.75	0.80
31	2,5,9 & 10	C, D, H	0.79	0.52	0.89
32	1,6,8 & 9	C, D, H	0.75	0.57	0.87
33	3,6,9 & 10	C, D, H	0.76	0.56	0.87
34	1,2,6 & 9	C, D, H	0.81	0.50	0.85
35	1,3,6 & 9	C, D, H	0.74	0.61	0.81
36	1,4,5 & 9	C, D, H	0.75	0.55	0.86
37	3,5 & 9	C, D, H	0.75	0.50	0.90
38	1,5,7 & 9	C, D, H	0.74	0.55	0.86
39	2,6,9 & 10	C, D, H	0.76	0.52	0.87
40	3,4 & 9	C, D, H	0.77	0.48	0.89
41	2,4 & 9	C, D, H	0.75	0.45	0.91
42	3,6 & 9	C, D, H	0.72	0.47	0.92
43	1,4,6 & 9	C, D, H	0.74	0.52	0.84
44	1,4,9 & 10	C, D, H	0.75	0.48	0.87
45	1,5,6 & 9	C, D, H	0.70	0.55	0.84
46	1,6,7 & 9	C, D, H	0.72	0.52	0.85
47	2,5 & 9	C, D, H	0.74	0.44	0.90
48	1,4,7 & 9	C, D, H	0.77	0.53	0.78

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49	1,5,9 & 10	C, D, H	0.71	0.50	0.84
50	2,6 & 9	C, D, H	0.70	0.41	0.90
51	1,6,9 & 10	C, D, H	0.67	0.52	0.82
52	1,4 & 9	C, D, H	0.70	0.38	0.92
53	1,5 & 9	C, D, H	0.66	0.42	0.90
54	1,6 & 9	C, D, H	0.61	0.41	0.92
55	AUDIT- 3 (3)	C	0.54	0.44	0.73

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