Supplementary table 1: Items derived from the BCS scale

BCS Sca	ale	CSS-21 Scale
Addiction barriers		
		I
1. Withdrawal sym	-	Rephrased and retained
2. Miss the compar	nionship of	During initial testing, it was found that
cigarettes		this item is measuring the same concept
		as item 8, and hence removed from the
2 Thinking shout	navar haina ahla	CSS-21 scale
3. Thinking about to smoke again	never being able	Rephrased and retained
4. Thinking about	cigarettes all the	During initial testing, it was found that
time	ergarettes arr the	this item is measuring the same concept
		as item 8, and hence removed from the
		CSS-21 scale
5. Not knowing for	r how long it	During initial testing, this item was
will be very hard	d not to smoke	found to be redundant and/or difficult to
		understand, and hence removed from
		the CSS-21 scale
6. Being addicted t		Retained
7. Fear of failing to	_	Rephrased and retained
8. Feeling lost with	nout cigarettes	Retained
External Barriers		
9. No encourageme	ent or help from	During initial testing, it was found that
friends	ent of help from	this item is measuring the same concept
		as item 11, and hence removed from the
		CSS-21 scale.
10. Family members	s or significant	Rephrased and retained
others encourage	ing you to	
smoke		
11. No encourageme	_	Rephrased and retained
family members	or significant	
others		
12. Friends encoura	ging you to	During initial testing, it was found that
smoke		this item is measuring the same concept
		as item 10, and hence removed from the CSS-21 scale.
13. No encouragement	ent at work for	Rephrased and retained
not smoking	one at work for	Tephrasea and founda
14. Lack of understa	anding from	During initial testing, this item was
family and signi	•	found to be redundant and/or difficult to
about what it is like to quit		understand, and hence removed from
smoking		the CSS-21 scale.
15. Seeing things or		Rephrased and retained
remind you of smoking		
T. de coal December 2		
Internal Barriers		

16. Having strong feelings such as anger or feeling upset when you are by yourself	Rephrased and retained	
17. Feeling less in your control of	During initial testing, it was found that	
your moods	this item is measuring the same concept	
	as item 16, and hence removed from the	
	CSS-21 scale.	
18. Having strong feelings such as	Rephrased and combined with item 16	
anger, or feeling upset when you		
are with other people		
Item not loaded in any subscale		
19. Fear of weight gain	This item was not loaded on any	
	subscales in the BCS scale, but was	
	included in CSS-21 scale.	

Supplementary figure 1: Screeplot of eigenvalues

