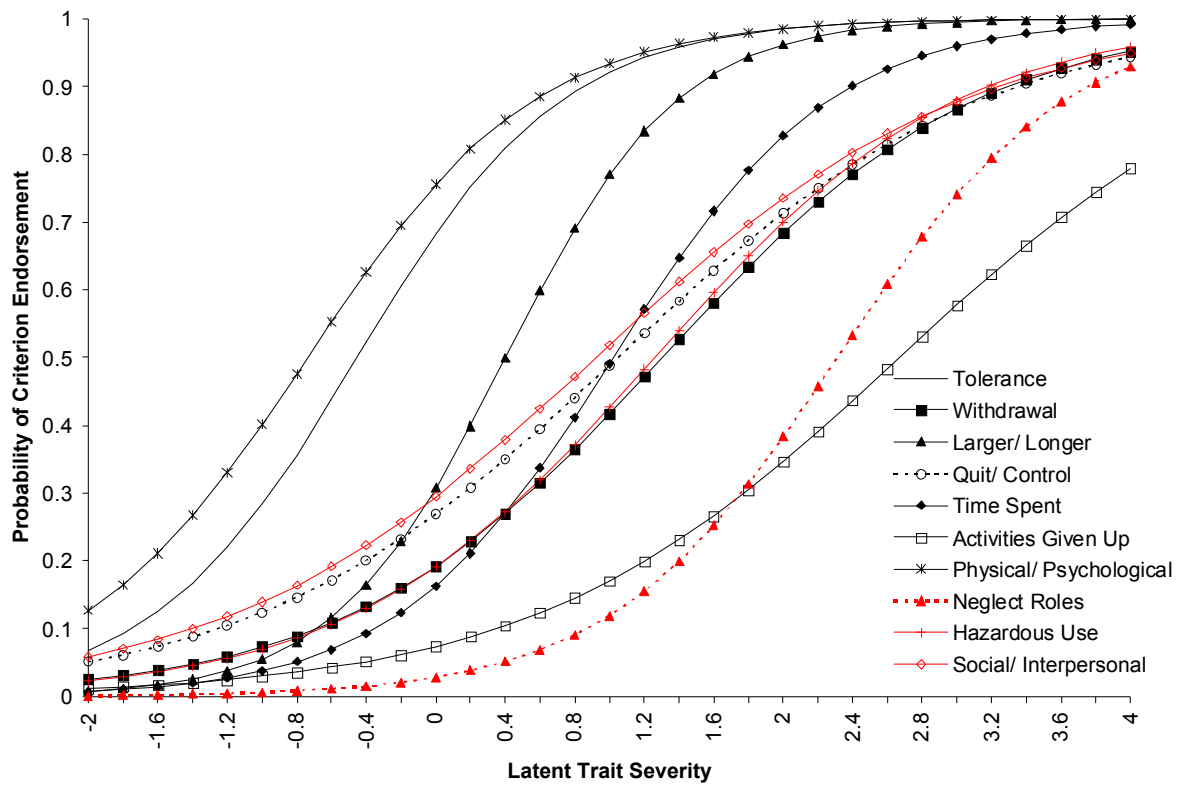


Supplementary information: Analysis of Current Smokers

**Table S1. Prevalence, Factor Analysis, and Item Response Theory Analysis of Nicotine Dependence and Abuse Criteria in Current Smokers, N=521**

<u>Lifetime Criteria</u>		Factor Loadings				Item Response Theory parameters			
		Dependence		Dependence and Abuse		Dependence		Dependence and Abuse	
		1-factor	1-factor	2-factors		Discrimination (s.e.)	Severity (s.e.)	Discrimination (s.e.)	Severity (s.e.)
<u>Nicotine Dependence</u>	% (N)								
Tolerance	62.6 (326)	0.712	0.711	0.253	0.527	1.731 (0.26)	-0.450 (0.09)	1.693 (0.24)	-0.454 (0.09)
Withdrawal	23.8 (124)	0.517	0.547	0.507	0.124	1.013 (0.18)	1.379 (0.21)	1.105 (0.18)	1.302 (0.18)
Larger/longer	38.2 (199)	0.790	0.768	0.353	0.496	2.208 (0.37)	0.385 (0.08)	2.025 (0.29)	0.402 (0.08)
Quit/control	30.1 (157)	0.506	0.499	0.716	-0.102	0.979 (0.17)	1.028 (0.17)	0.955 (0.16)	1.047 (0.17)
Time spent	24.4 (127)	0.655	0.675	0.003	0.726	1.520 (0.24)	1.046 (0.13)	1.603 (0.25)	1.021 (0.12)
Activities given up	10.0 (52)	0.464	0.453	0.168	0.329	0.940 (0.20)	2.686 (0.42)	0.947 (0.20)	2.669 (0.46)
Physical/psychological	68.9 (359)	0.689	0.672	0.421	0.335	1.584 (0.24)	-0.724 (0.10)	1.528 (0.22)	-0.739 (0.11)
<u>Nicotine Abuse</u>									
Neglect roles	06.5 (34)		0.606	0.692	0.017			1.525 (0.34)	2.312 (0.34)
Hazardous use	24.0 (125)		0.555	-0.205	0.795			1.144 (0.19)	1.260 (0.17)
Social/interpersonal	32.4 (169)		0.497	0.050	0.486			0.947 (0.15)	0.921 (0.16)
<u>Model Fit Indices</u>									
Comparative Fit Index (CFI)		0.981	0.974	0.992					
Tucker-Lewis Index (TLI)		0.976	0.973	0.989					
Root mean square error of approximation (RMSEA)		0.039	0.036	0.023					
Akaike Information Criterion (AIC)							3829.351		5175.137
Bayesian Information Criterion (BIC)							3888.931		5260.252
Sample-size corrected BIC (SS-BIC)							3844.492		5196.767

Figure S1: Item Characteristic Curves for Nicotine Dependence and Abuse Criteria in Current Smokers, N=521



**Figure S2: Total Information Curves for Nicotine Dependence and Abuse Criteria in Current Smokers, N=521**

