Supplementary Table 1: Factor analyses of smoking ban items conducted for staff, prisoners and both - rotated component matrices for each group, ordered as per 'both staff and prisoners' – showing that Item 'Prison smoking bans are OK if prisoners are allowed e-cigarettes or vapes' loads on 'Bans will be difficult' for staff and 'Positive about bans' for prisoners

	Staff		Prisoners	
	Positive	Difficult	Positive	Difficult
Prison smoking bans are a good idea	**.845**	-.210	**.758**	-.431
Would you be in favour of increased smoking restrictions in Scottish prisons?	**.799**	-.073	**.726**	-.384
Most prison staff want smoking bans	**.771**	-.230	**.510**	.042
Prison smoking bans help prisoners stop smoking long-term	**.733**	-.182	**.731**	-.276
Prison smoking bans are OK if enough stop smoking support is available to prisoners	**.709**	.360	**.841**	-.070
Prison smoking bans are hard to enforce	-.312	**.725**	.080	**.766**
Prison smoking bans are OK if prisoners are allowed e-cigarettes or vapes	.212	**.694**	**.673**	.290
Prison smoking bans cause trouble (eg prisoner fights, rioting, tobacco smuggling)	-.364	**.683**	-.223	**.765**
% variance explained	*40.8*	*21.7*	*38.9*	*20.9*

Supplementary Table 2: Factor analyses of smoking ban items conducted for staff and prisoners combined – showing that two factors (as shown in main paper Table 1) explain 16% more total variance than analysis constrained to a single factor.

	Two factors		Single factor
	Positive	Difficult	
Prison smoking bans are a good idea	**.857**	-.292	.902
Would you be in favour of increased smoking restrictions in Scottish prisons?	**.833**	-.231	.854
Prison smoking bans are OK if enough stop smoking support is available to prisoners	**.803**	.006	.728
Prison smoking bans help prisoners stop smoking long-term (and after release)	**.784**	-.221	.805
Most prison staff want smoking bans	**.639**	-.093	.620
Prison smoking bans are hard to enforce	-.024	**.889**	-.391
Prison smoking bans cause trouble (eg prisoner fights, rioting, tobacco smuggling)	-.332	**.760**	-.618
% variance explained	*45.8*	*22.4*	*52.0*

Supplementary Table 3: Variance component in opinion factors due to prison (Wald z and sig) in models including (a) staff versus prisoners and (b) smoker versus non-smoker

	Variance component due to prison	
	Wald Z	*(sig)*
'Bans are positive'		
Including fixed effect for staff Vs prisoner	1.923	*(0.054)*
Including fixed effect for smoker Vs non-smoker	1.046	*(0.296)*
'Bans will be difficult'		
Including fixed effect for staff Vs prisoner	1.662	*(0.097)*
Including fixed effect for smoker Vs non-smoker	1.562	*(0.118)*

Supplementary Table 4: Bans factors according to independent variables – multivariable associations for staff and for prisoners – ANALYSES OF DATA WEIGHTED TO CORRECT FOR BETWEEN-PRISON DIFFERENCES IN RESPONSE/RETURN RATES.

	Staff		Prisoner	
	F	(Sig)	F	(Sig)
AMONG ALL				
Positive about bans factor				
(N)	*(1108)*		*(2011)*	
Age	-	-	1.3	(0.256)
Current smoker	116.4	(<0.001)	441.2	(<0.000)
General health	2.8	(0.062)	0.0	(0.984)
Diagnosed asthma	-	-	2.3	(0.131)
Respiratory symptoms	8.6	(<0.001)	-	-
Sensory symptoms	2.4	(0.094)	26.1	(<0.001)
Prison SHS (Pm 2.5 outdoor adjusted)	2.8	(0.059)	-	-
Staff - role	3.3	(0.071)	n/a	
Prisoner - age left education	n/a		5.8	(0.003)
Prisoner – unconvicted/convicted/release status	n/a		4.8	(0.003)
(Adjusted R^2)	*(0.136)*		*(0.246)*	
Bans will be difficult factor				
(N)	*(1085)*		*(2077)*	
Age	1.0	(0.409)	2.0	(0.113)
Current smoker	3.2	(0.074)	43.4	(<0.001)
General health	3.0	(0.049)	-	-
Respiratory symptoms	1.0	(0.383)	-	-
Sensory symptoms	3.8	(0.023)	-	-
Anxiety or depression (EQ5D)	-	-	2.9	(0.053)
Prison SHS (Pm 2.5 outdoor adjusted)	6.6	(0.001)	-	-
Staff – years worked in prisons	0.7	(0.526)	n/a	
Prisoner - age left education	n/a		0.8	(0.441)
Prisoner – unconvicted/convicted/release status	n/a		1.4	(0.231)
(Adjusted R^2)	*(0.031)*		*(0.034)*	
AMONG SMOKERS ONLY				
Positive about bans factor				
(N)			*(1596)*	
Cigarettes per day	-	-	6.6	(0.001)
Craved cigarettes today	-	-	9.2	(<0.001)
Quit attempt in (in prison) in past year	-	-	130.6	(<0.001)
(Adjusted R^2)			*(0.097)*	
Bans will be difficult factor				
(N)			*(1614)*	
Craved cigarettes today	-	-	8.0	(<0.001)
Quit attempt in (in prison) in past year	-	-	4.4	(0.036)
(Adjusted R^2)			*(0.010)*	

Supplementary Table 5: Bans factors (mean and standard deviation) and independent variables (N and column percent) with significance of staff-prisoner difference if applicable.

	Staff		Prisoners		
	Mean	(SD)	Mean	(SD)	(F sig)
Positive about bans factor	0.647	(0.771)	-0.351	(0.932)	(<0.001)
Bans will be difficult factor	-0.234	(1.070)	0.127	(0.936)	(<0.001)
	N	(%)	N	%	(Chi-sq sig)
Sex					
Male	901	(72.3)	2321	(93.1)	
Female	345	(27.7)	173	(6.9)	(<0.001)
Age					
30 years or younger	203	(16.4)	765	(31.7)	
31-40	232	(18.7)	778	(32.2)	
41-50	370	(29.8)	494	(20.4)	
51 or older	435	(35.1)	380	(15.7)	(<0.001)
Current smoker					
Yes	123	(9.7)	1858	(74.2)	
No	1148	(90.3)	647	(25.8)	(<0.001)
General health					
Very good	443	(34.9)	481	(19.4)	
Good	671	(52.8)	1012	(40.9)	
Fair, bad or very bad	157	(12.4)	982	(39.7)	(<0.001)
Doctor diagnosed asthma					
Yes	252	(20.1)	587	(24.6)	
No	1003	(79.9)	1801	(75.4)	(0.002)
Respiratory symptoms					
None	403	(35.4)	779	(33.2)	
1-2	380	(33.4)	611	(26.0)	
3-5	356	(31.3)	959	(40.8)	(<0.001)
Sensory symptoms					
None	416	(33.3)	1120	(46.8)	
1-2	592	(47.3)	1005	(42.0)	
3	243	(19.4)	267	(11.2)	(<0.001)
Anxiety or depression (EQ5D)					
None	834	(66.0)	853	(35.4)	
Slight	260	(20.6)	492	(20.4)	
Moderate, severe or extreme	169	(13.4)	1068	(44.3)	(<0.001)
Prison SHS (Pm 2.5 outdoor adjusted)					
Work/live in a prison with lower SHS (below 10)	327	(25.7)	645	(25.7)	
Work/live in a prison with mid SHS (10-39)	591	(46.5)	1304	(51.9)	
Work/live in a prison with higher SHS (over 39)	353	(27.8)	563	(22.4)	(0.001)
<u>AMONG STAFF ONLY</u>					
Highest educational level					
School	445	(35.2)			
Further education	519	(41.1)			
Higher education	300	(23.7)			n/a
Staff Role					
Operational	1040	(82.1)			
Non-operational	226	(17.9)			n/a
Staff Band					
SPS B-D (Admin, prison officer, phys ed)	1010	82.7			
SPS E-G (manager, head of function, governor)	212	17.3			n/a
Staff years worked in prisons					
0-1	82	(6.5)			
2-4	197	(15.7)			
5-9	184	(14.7)			
10 or more	791	(63.1)			n/a

Supplementary Table 5: Bans factors (mean and standard deviation) and independent variables – CONTINUED

	Staff		Prisoners		(Chi-sq sig)
	N	**(%)**	**N**	**%**	
AMONG PRISONERS ONLY					
Age left education					
14 years or less			316	(13.4)	
15-16			1508	(64.1)	
17 or more			530	(22.5)	n/a
Prisoner status					
Unconvicted (awaiting trial)			411	(17.5)	
Convicted – release within 90 days			389	(16.6)	
Convicted – release 3-12 months			625	(26.7)	
Convicted – release over a year			918	(39.2)	n/a
AMONG SMOKERS ONLY					
Cigarettes per day					
10 or less	60	(48.8)	331	(18.3)	
11-20	53	(43.1)	1058	(58.4)	
21 or more	10	(8.1)	422	(23.3)	(<0.001)
Craved cigarettes today					
Not or hardly at all	42	(34.4)	281	(15.4)	
A little	37	(30.3)	416	(22.7)	
Somewhat, quite a bit or a great deal	43	(35.2)	1133	(61.9)	(<0.001)
Quit attempt in (in prison) in past year					
Yes	90	(74.4)	740	(42.0)	
No	31	(25.6)	1021	(58.0)	(<0.001)