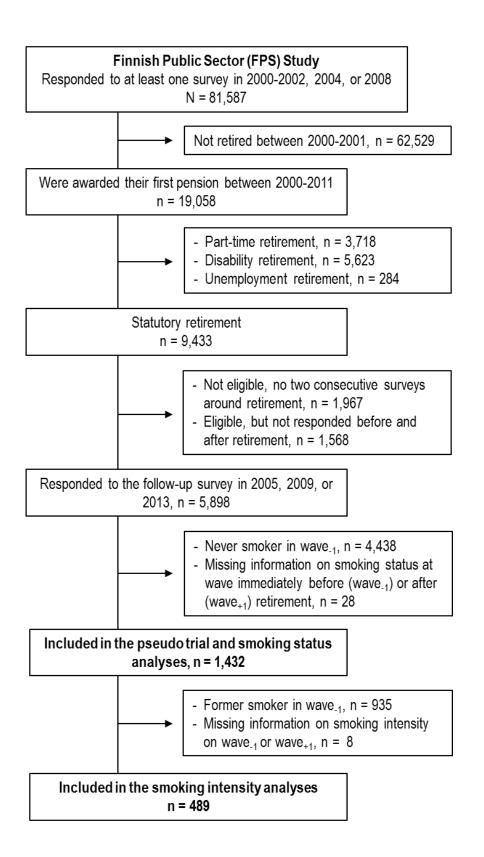
Changes in smoking during retirement transition: A longitudinal cohort study

Pulakka A, Halonen JI, Pentti J, Kivimäki M, Vahtera J, Stenholm S

Supplemental Figure S1. Number of the Finnish Public Sector Study participants at each possible survey wave and illustration of the survey wave pairs included in the pseudo trial.

Wave	W-3	W-2	W-1		W+1	W+2	W+3	
N in smoking status analysis	374	838	1,432		1,432	786	294	
N in smoking intensity analysis	135	316	489		489	247	73	
Data collection years			2000-2002	ENT	2005	2009	2013	
		2000-2002	2004	RETIREMENT	2009	2013		
	2000-2002	2004	2008		2013			

No retirement No retirement transition, transition, "control" Transition, "treatment" transition, "control" Transition, "control Transition, "control



Supplemental table S1. Model fit statistics of the latent class analysis (LCA) models with different one to five latent classes.

	Number of latent classes							
Fit statistic	1	2	3	4	5			
Smoking status								
Log-likelihood	-3046.5	-1949.0	-1887.7	-1876.1	-1875.4			
G^2	2347.5	152.6	30.0	6.7	5.3			
Degrees of								
freedom	57	50	43	36	29			
$p(G^2)$	< 0.001	< 0.001	0.93	1.00	1.00			
AIC	2359.5	178.6	70.0	60.1	73.3			
BIC	2391.1	247.1	175.4	202.9	252.3			
Entropy	1	0.93	0.82	0.80	0.82			
Average posterior			0.83/0.91/	0.66/0.84/	0.49/0.81/0.86/			
probabilities	1	0.99/0.97	0.97	0.87/0.96	0.74/0.96			
Smoking intensity								
Log-likelihood	-1159.7	-960.5	-1930.7	-923.9	-922.1			
G^2	481.2	82.9	23.2	9.7	6.1			
Degrees of								
freedom	57	50	43	36	29			
$p(G^2)$	< 0.001	0.002	0.99	1.00	1.00			
AIC	493.2	108.9	63.2	63.7	74.1			
BIC	518.4	163.4	147.0	176.9	216.7			
Entropy	1	0.74	0.68	0.69	0.65			
Average posterior			0.83/0.86/	0.81/0.87/	0.81/0.73/0.58/			
probabilities	1	0.90/0.94	0.90	0.79/0.88	0.85/0.86			

AIC, Akaike's Information Criterion; BIC, Bayesian Information Criterion