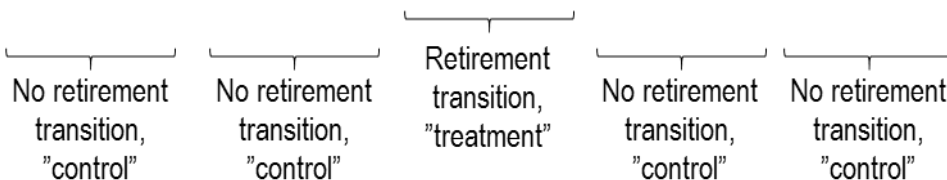


Changes in smoking during retirement transition: A longitudinal cohort study

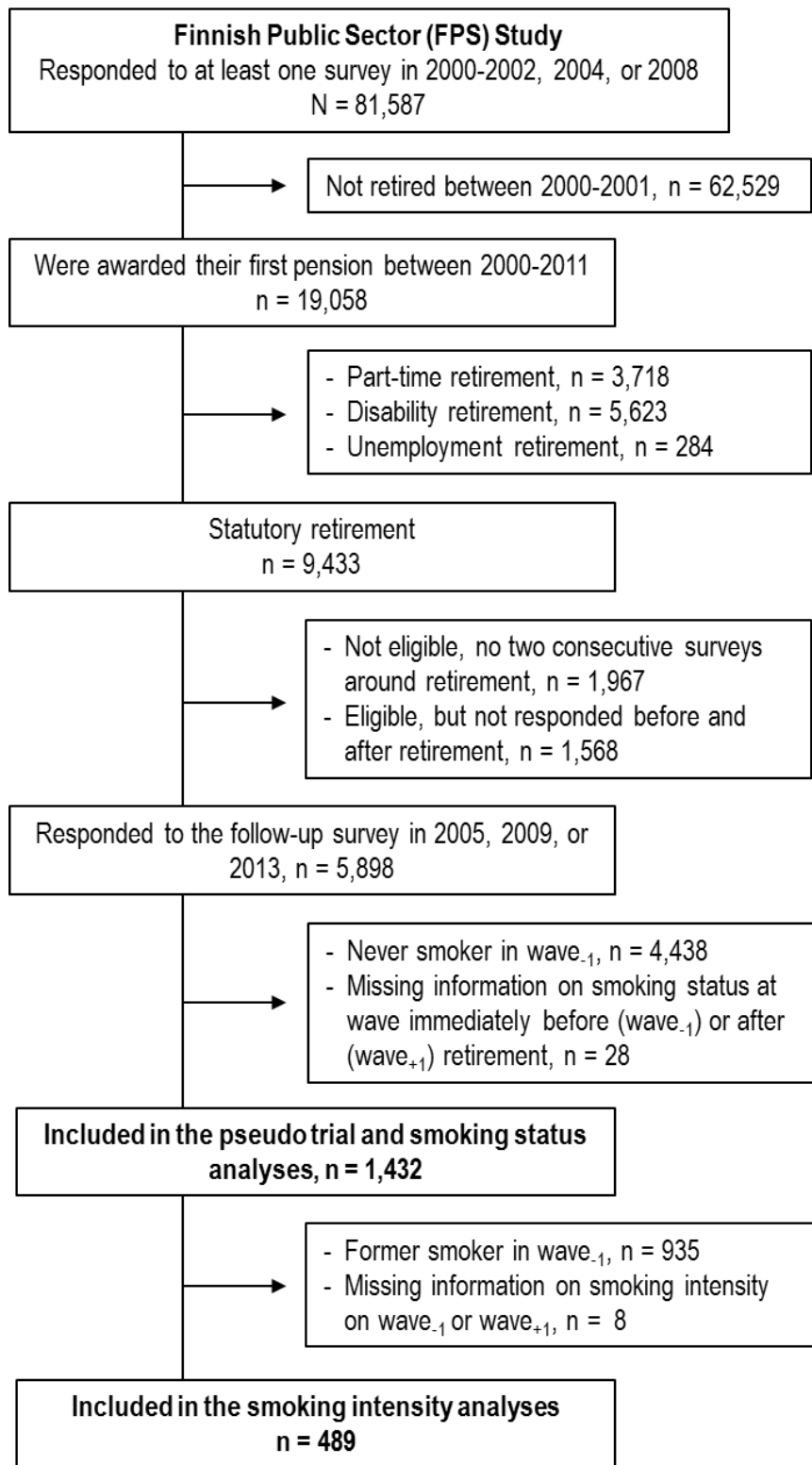
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Supplemental Figure S1. Number of the Finnish Public Sector Study participants at each possible survey wave and illustration of the survey wave pairs included in the pseudo trial.

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



Supplemental Figure S2. Flow chart of the selection of the study sample



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

Fit statistic	Number of latent classes				
	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 probabilities	1	0.99/0.97	0.83/0.91/ 0.97	0.66/0.84/ 0.87/0.96	0.49/0.81/0.86/ 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 probabilities	1	0.90/0.94	0.83/0.86/ 0.90	0.81/0.87/ 0.79/0.88	0.81/0.73/0.58/ 0.85/0.86

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