eTable 2. Results of vector autoregressive models of the estimated effect of affordability of alcohol on alcohol-related mortality according to education among men, Finland in 1988-2007.

Alcohol type and education		**Seasonally unadjusted VAR**		**Seasonally adjusted VAR**	
	Lags	**OIRF**	**95% CI**	**OIRF**	**95% CI**
Distilled spirits					
Tertiary	1	**0.003**	**-0.030, 0.036**	0.003	-0.035, 0.028
Secondary	1	**0.026**	**0.001, 0.051**	0.022	-0.002, 0.045
Basic	1	**0.007**	**-0.010, 0.024**	0.000	-0.015, 0.015
All	1	0.014	-0.001, 0.029	**0.007**	**-0.005, 0.019**
Wine					
Tertiary	1	**0.009**	**-0.010, 0.029**	0.006	-0.019, 0.031
Secondary	1	**0.025**	**0.001, 0.049**	0.024	0.002, 0.047
Basic	1	**0.008**	**-0.003, 0.018**	0.001	-0.012, 0.011
All	1	0.012	0.002, 0.023	**0.006**	**-0.003, 0.015**
Beer, strong					
Tertiary	1	**0.004**	**-0.027, 0.036**	-0.002	-0.034, 0.029
Secondary	1	**0.028**	**0.003, 0.053**	0.022	-0.001, 0.046
Basic	1	**0.007**	**-0.010, 0.024**	0.001	-0.017, 0.014
All	1	0.015	0.001, 0.030	**0.006**	**-0.006, 0.018**
Beer,medium					
Tertiary	1	**0.003**	**-0.028, 0.035**	-0.003	-0.034, 0.028
Secondary	1	**0.026**	**0.001, 0.051**	0.023	-0.000, 0.046
Basic	2	**0.019**	**0.001, 0.037**	0.019	0.003, 0.036
All	1	0.015	0.001, 0.030	**0.008**	**-0.004, 0.020**

VAR=Vector autoregressive model; OIRF= Orthogonalized impulse response function; CI=Confidence interval.

Model estimates in bold indicate models with a better fit according to Schwartz Bayesian, Hannan-Quinn and Akaike Information Criterion.

eTable 3. Orthogonalized impulse response functions from vector autoregressive models of the estimated effect of affordability of alcohol on alcohol-related mortality according to education among women, Finland in 1988-2007.

Alcohol type and education		**Seasonally unadjusted VAR**		**Seasonally adjusted VAR**	
	Lags	**OIRF**	**95% CI**	**OIRF**	**95% CI**
Distilled spirits					
Tertiary	1	**0.009**	**-0.073, 0.092**	-0.002	-0.085, 0.081
Secondary	1	**0.037**	**-0.022, 0.097**	0.027	-0.031, 0.085
Basic	1	**0.028**	**-0.015, 0.072**	0.027	-0.016, 0.070
All	1	**0.025**	**-0.010, 0.060**	0.022	-0.013, 0.056
Wine					
Tertiary	1	**0.021**	**-0.027, 0.069**	0.024	-0.045, 0.093
Secondary	1	**0.010**	**-0.026, 0.045**	-0.013	-0.060, 0.033
Basic	1	**0.013**	**-0.014, 0.040**	0.005	-0.030, 0.040
All	1	**0.013**	**-0.006, 0.033**	0.011	-0.020, 0.042
Beer, strong					
Tertiary	1	**0.017**	**-0.062, 0.095**	0.003	-0.079, 0.086
Secondary	1	**0.045**	**-0.014, 0.103**	0.032	-0.026, 0.089
Basic	1	**0.025**	**-0.018, 0.068**	0.021	-0.022, 0.063
All	1	**0.029**	**0.005, 0.063**	0.023	-0.011, 0.058
Beer,medium					
Tertiary	1	**0.010**	**-0.066, 0.086**	-0.003	-0.083, 0.076
Secondary	1	**0.038**	**-0.020, 0.097**	0.028	-0.029, 0.085
Basic	1	**0.022**	**-0.022, 0.065**	0.022	-0.013, 0.056
All	1	**0.026**	**0.008, 0.061**	0.020	-0.023, 0.063

VAR=Vector autoregressive model; OIRF= Orthogonalized impulse response function; CI=Confidence interval.

Model estimates in bold indicate models with a better fit according to Schwartz Bayesian, Hannan-Quinn and Akaike Information Criterion.

eTable 4. Orthogonalized impulse response functions from vector autoregressive models of the estimated effect of affordability of alcohol on alcohol-related mortality according to education among men, Sweden in 1991-2008.

Alcohol type and education		**Seasonally unadjusted VAR**		**Seasonally adjusted VAR**	
	Lags	**OIRF**	**95% CI**	**OIRF**	**95% CI**
Distilled spirits					
Tertiary	1	-0.001	-0.101, 0.099	**0.004**	**-0.076, 0.083**
Secondary	1	0.022	-0.013, 0.056	**0.027**	**-0.001, 0.055**
Basic	1	-0.019	-0.045, 0.007	**0.007**	**-0.014, 0.029**
All	1	-0.003	-0.022, 0.017	**0.011**	**-0.005, 0.026**
Wine					
Tertiary	1	0.003	-0.096, 0.102	**0.010**	**-0.069, 0.089**
Secondary	2	**0.018**	**-0.001, 0.037**	0.021	0.001, 0.041
Basic	1	**-0.011**	**-0.026, 0.004**	0.002	-0.019, 0.024
All	1	-0.001	-0.021, 0.019	**0.013**	**-0.003, 0.028**
Beer					
Tertiary	1	0.002	-0.095, 0.100	**0.017**	**-0.061, 0.095**
Secondary	1	0.018	-0.017, 0.053	**0.020**	**-0.008, 0.048**
Basic	2	0.007	-0.015, 0.028	**0.018**	**-0.004, 0.040**
All	1	-0.005	-0.024, 0.015	**0.012**	**-0.003, 0.028**

VAR=Vector autoregressive model; OIRF= Orthogonalized impulse response function; CI=Confidence interval.

Model estimates in bold indicate models with a better fit according to Schwartz Bayesian, Hannan-Quinn and Akaike Information Criterion.

eTable 5. Orthogonalized impulse response functions from vector autoregressive models of the estimated effect of affordability of alcohol on alcohol-related mortality according to education among women, Sweden in 1991-2008.

Alcohol type and education		**Seasonally unadjusted VAR**		**Seasonally adjusted VAR**	
	Lags	**OIRF**	**95% CI**	**OIRF**	**95% CI**
Distilled spirits					
Tertiary	1	-0.058	-0.259, 0.143	**0.017**	**-0.118, 0.152**
Secondary	5	**-0.064**	**-0.109, -0.019**	-0.038	-0.069,-0.007
Basic	3	**-0.026**	**-0.057, 0.005**	-0.012	-0.041, 0.015
All	3	**-0.031**	**-0.058, 0.004**	-0.021	-0.046, 0.004
Wine					
Tertiary	1	-0.016	-0.218, 0.185	**0.023**	**-0.112, 0.158**
Secondary	5	**-0.054**	**-0.101, -0.008**	-0.032	-0.065, 0.000
Basic	3	**-0.019**	**-0.049, 0.010**	-0.009	-0.039, 0.022
All	3	**-0.022**	**-0.048, 0.004**	-0.014	-0.039, 0.011
Beer					
Tertiary	1	-0.046	-0.245, 0.153	**0.028**	**-0.104, 0.161**
Secondary	1	-0.119	-0.190, -0.047	**-0.073**	**-0.133, 0.014**
Basic	3	-0.036	-0.084, 0.012	**-0.003**	**-0.048, 0.042**
All	3	-0.047	-0.080, -0.014	**-0.021**	**-0.056, 0.015**

VAR=Vector autoregressive model; OIRF= Orthogonalized impulse response function; CI=Confidence interval.

Model estimates in bold indicate models with a better fit according to Schwartz Bayesian, Hannan-Quinn and Akaike Information Criterion.