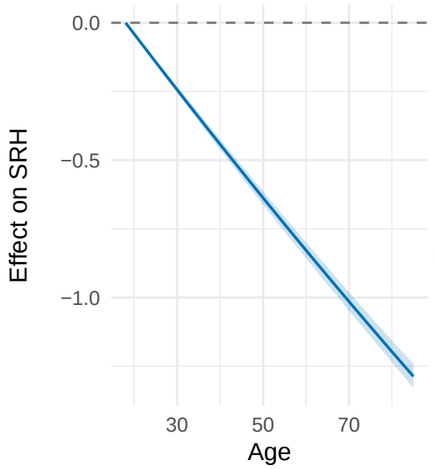
NHIS BHAPC Analysis Summary

Bayesian Hierarchical Age−Period−Cohort decomposition (N = 199,337)

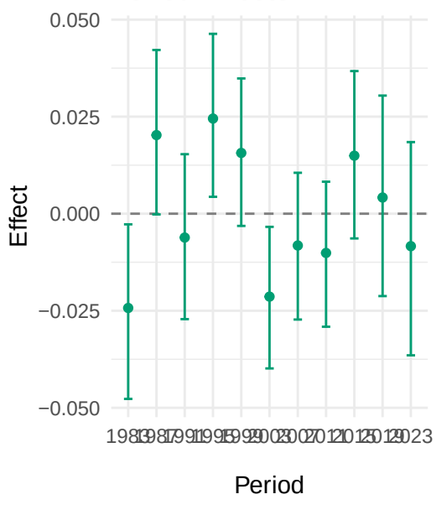
Variance Decomposition

Component	Var	%
Residual	0.008	0.7%
Residual	0.027	2.5%
Cohort	0.004	0.4%
Period	0.001	0.1%
Residual	1.041	96.3%

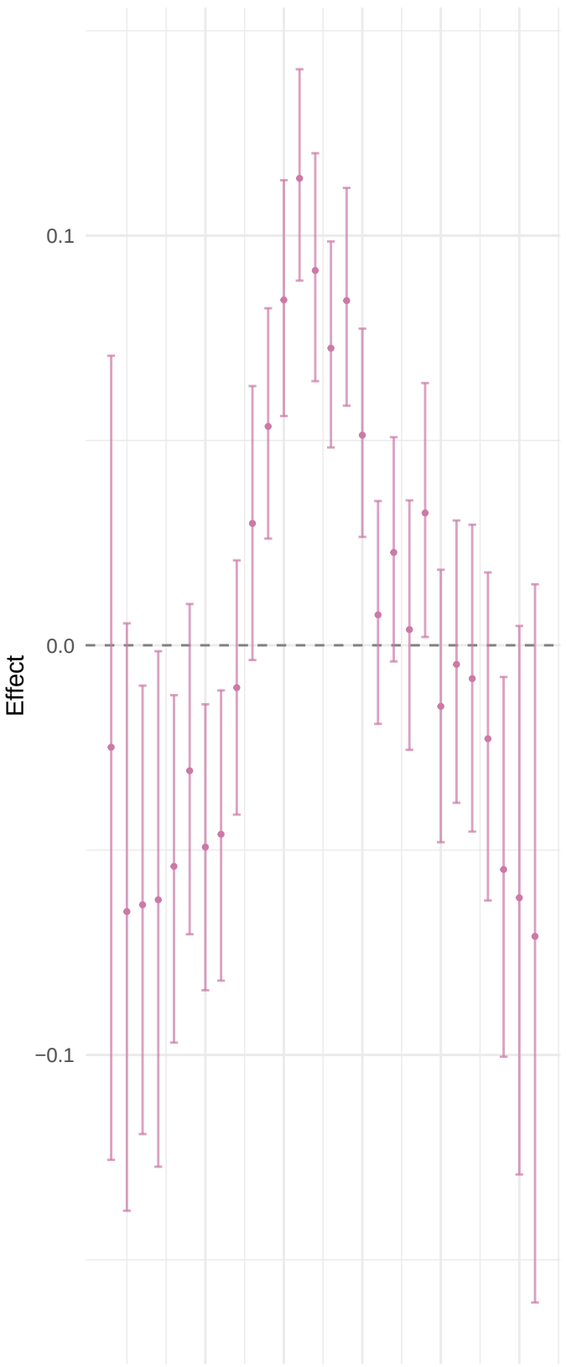
Age Effect



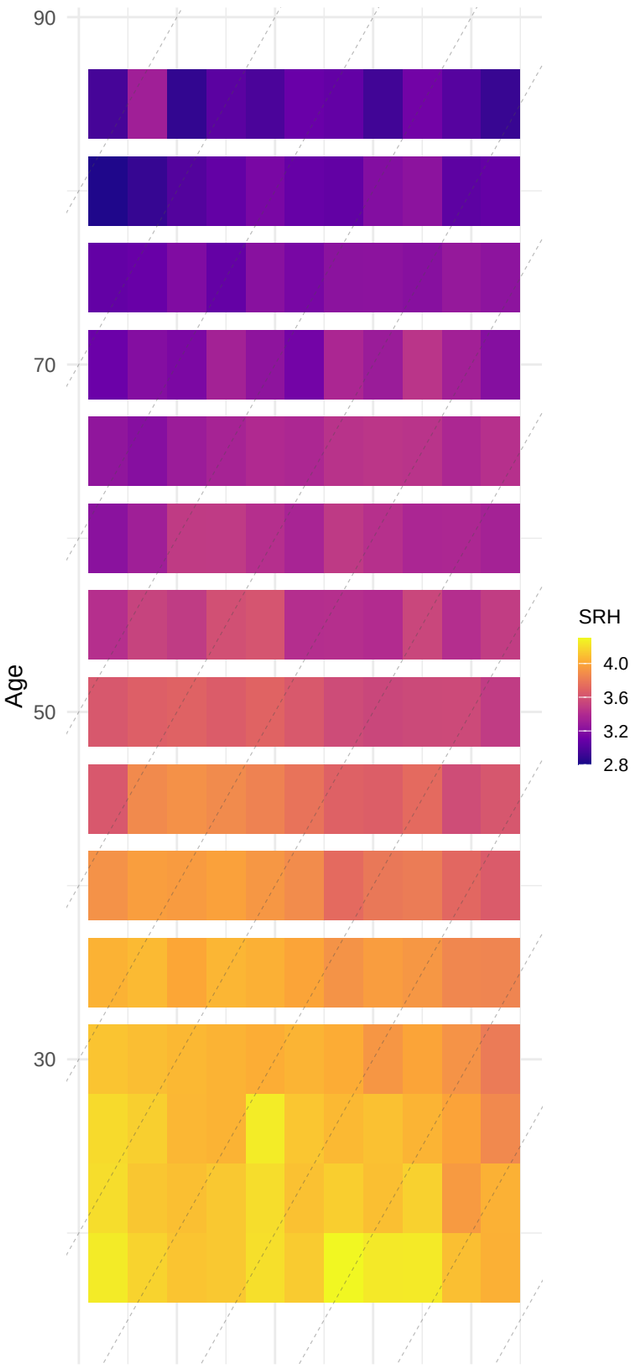
Period Effects



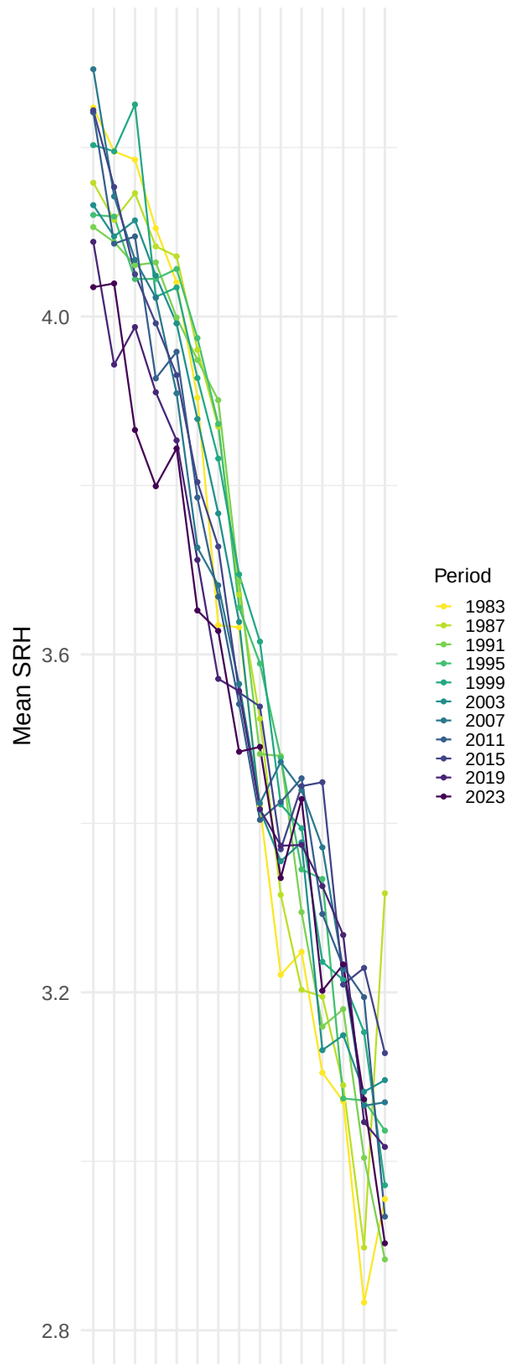
Cohort Effects



Lexis Diagram



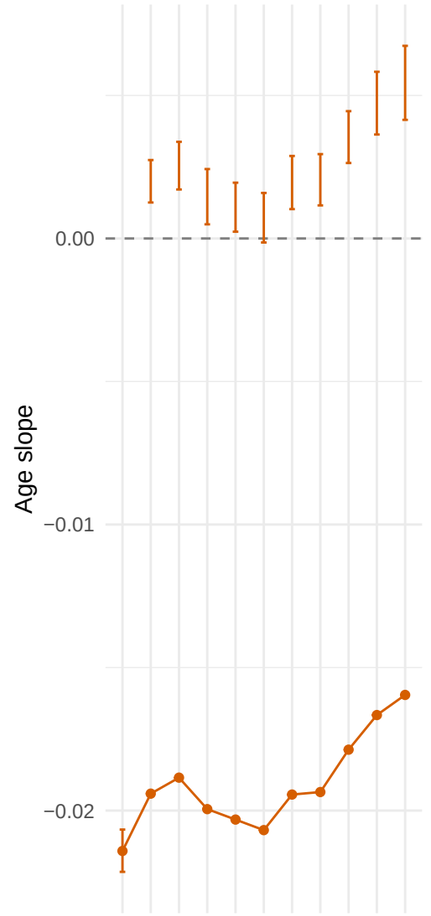
Mean SRH by Age & Period



Age x Period Interaction

Period	Slope	vs ref	
1983	−0.0214	+0.0000	ref
1987	−0.0194	+0.0020	***
1991	−0.0188	+0.0026	***
1995	−0.0199	+0.0015	***
1999	−0.0203	+0.0011	***
2003	−0.0207	+0.0007	
2007	−0.0194	+0.0020	***
2011	−0.0194	+0.0021	***
2015	−0.0179	+0.0035	***
2019	−0.0167	+0.0048	***
2023	−0.0160	+0.0055	***

Age Slope by Period



Higher SRH = better health. Error bars/ribbons show 90% CIs. *** = significant (CI excludes 0).