cognitive tests: verbal memory (recall of 10 words), verbal fluency (naming animals) and letter search speed. Fully adjusted models included health and lifestyle covariates (medical history, depression, alcohol, physical activity).

Results Broadly similar patterns of associations were observed across countries. Indicators of SEP across the lifecourse made independent contributions to cognition, with stronger contributions from education and current asset ownership (an indicator of contemporary material circumstances), than from childhood socioeconomic conditions. Socioeconomic advantage was associated with higher levels of cognitive functioning. For example, in fully adjusted models, university education was associated with 3.9 (SE 0.7) word recall advantage in memory performance in Czech men and 2.2 (SE 0.5) and 2.7 (SE 0.3) word advantage in Russian and Polish men; in women these figures were 3.7 (SE 0.4), 3.0 (SE 0.5) and 3.2 (SE 0.3), respectively. The effect of childhood socioeconomic conditions on cognition was largely attenuated after adjustment for education and current material circumstances, suggesting mediation by later SEP measures.

Conclusion Socioeconomic position across the lifecourse is an important predictor of cognition in mid and later life in these Eastern European populations. The attenuation of the effects of childhood SEP after adjustment for own education and current material circumstances supports the model where this association is, at least partly, mediated through later life measures of SEP. Future research should focus on lifecourse influences on cognitive aging trajectories as long-term follow-up of this cohort and other studies in Eastern European populations become available.