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# The politics of integrating health systems and public programs: a review of political headwinds, tailwinds, and policy maker recommendations

N.M. Kavanagh, A. Menon, A. McIntyre

## Supplemental methods

This is the replication archive for the paper's original data analysis using the European Social Survey (ESS). The ESS is a biennial survey of Europeans' cultural attitudes, political preferences, socioeconomic conditions, and more. It collects a strict random probability sample of Europeans at least 15 years old who reside in each polity, regardless of nationality, citizenship, or language. We pooled waves 2–11 of the survey, collected from 2004 to 2024; wave 1 was excluded since not all outcomes were assessed during that wave. Also, not all polities participated in all waves, but since the ESS's inception, 39 polities have done so and are all represented in our analysis. They are listed in the caption for **Figure 1**.

Respondents were included in our analysis if they had complete information on all outcomes of interest, i.e. they were excluded listwise. This way, we were directly comparing the same respondents' attitudes about each institution, without selection bias arising from different samples of respondents across outcomes. 80% of the ESS's original 488,352 respondents from waves 2–11 had complete data for all institutions, resulting in a final analytic sample of 390,787 (before applying post-stratification and population weights). Even so, the results were substantively similar when we excluded respondents pairwise (**Figure S1**).

We weighted estimates by a combination of the ESS's post-stratification weights, which account for coverage, sampling, and non-response errors, as well as country population weights, so that the resulting estimates reflect the European population as a whole.

Analyses were performed in R (v. 4.3.1) using the "survey" package (v. 4.2–1).

**To use this archive**, download the ZIP and expand it. The relative folder structure should be preserved. Then, open the script file in R. Ensure that all packages called at the top of the script are installed. The "here" package sets the relative working directory. Then, the script may be run from top to bottom. Figures will be exported in the same directory.

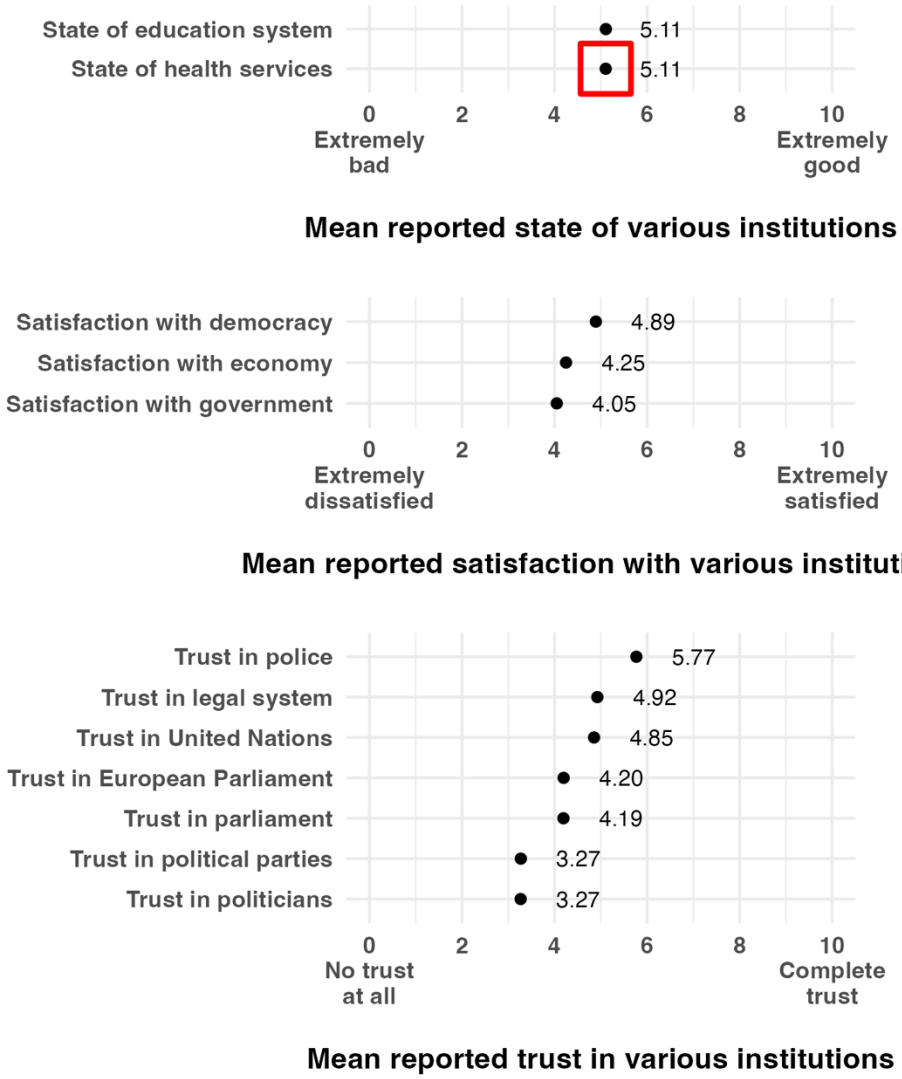


**Figure S1. Europeans' attitudes about various institutions with pairwise deletion.**

**Notes:** This panel re-computes the point estimates from **Figure 1** with pairwise deletion of respondents who are missing data for each outcome (rather than listwise deletion). Estimates use post-stratification and population weights. Depending on the outcome, complete Ns range from 439,674 to 482,571 before weights. Confidence intervals are not shown.