

**S1 Text. Internal Standardization of Scores using Age-Conditional Means and SDs.**

For each scale, we removed tester effects from the raw score by running a regression of the raw scores on tester dummies using Ordinary Least Squares (OLS). We constructed the residuals of these regressions, which we standardized by age using non-parametric methods as follows. First, we computed the age-conditional mean using the fitted values of the regression in (1), estimated by kernel-weighted local polynomial smoothing methods:

$$Y_i = f(X_i) + \varepsilon_i \quad \forall i \quad (1)$$

where  $Y_i$  is the residual of the raw score of child  $i$  in a given scale of a regression on tester dummies.  $X_i$  is the age of the child in days. Next, we regressed the square of the residuals in (1) on age of the child (in days) as shown in the kernel-weighted local polynomial regression in (2):

$$(Y_i - \hat{f}_i)^2 = g(X_i) + v_i \quad \forall i \quad (2)$$

Our estimate of the age-conditional standard deviation (SD) is the square root of the fitted values  $\hat{g}_i$  in (2). Finally, we computed the internally age-adjusted z-score,  $ZY_i$ , by subtracting from the residual of the raw score the within sample age-conditional mean estimated in (1) and dividing by the within sample age-conditional SD obtained from (2). More specifically:

$$ZY_i = \frac{Y_i - \hat{f}_i}{\sqrt{\hat{g}_i}} \quad \forall i \quad (3)$$

This resulted in smooth normally distributed internally standardized scores, with mean zero across the age range.