Supplementary Material

File 2

Mental health and well-being from childhood to adulthood: Design, methods and results of the 11-year follow-up of the BELLA study

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Authors: Christiane Otto*, Franziska Reiss*, Catharina Voss, Anne Wüstner, Ann-Katrin Meyrose, Heike Hölling & Ulrike Ravens-Sieberer

*both authors contributed equally to this manuscript (shared first authorship)

Corresponding author: Ulrike Ravens-Sieberer, Department of Child and Adolescent Psychiatry, Psychotherapy, and Psychosomatics, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20246 Hamburg, Germany, E-mail: ravens-sieberer@uke.de
**Supplementary Table S3** Model fit of null models on self- and parent-reported general health and health-related quality of life

|                          | General health |                                         | Health-related quality of life |                                         |
|--------------------------|----------------|------------------------------------------|--------------------------------|------------------------------------------|
|                          | Self-report    | parent-report                            | self-report                    | parent-report                            |
|                          | (n = 4,987)    | (n = 5,754)                              | (n = 4,293)                    | (n = 4,345)                              |
| **Null model fit**       |                |                                          |                                |                                          |
| -2 Log Likelihood        | 22,852.13      | 25,127.03                                | 52,031.22                      | 49,585.73                                |
| df                       | 3              | 3                                        | 3                              | 3                                        |
| AIC                      | 22,858.13      | 25,133.03                                | 52,037.22                      | 49,591.73                                |
| BIC                      | 22,879.83      | 25,154.98                                | 52,057.84                      | 49,612.20                                |

*Note*: analysed longitudinal data was gathered at five measurement points, only for parent-reported health-related quality of life no baseline data was available.

CI = Confidence Interval; df = degrees of freedom; AIC = Akaike’s Information Criterion; BIC = Schwarz’s Bayesian Information Criterion.
Supplementary Table S4 Age- and gender-specific effects on self- and parent-reported general health and health-related quality of life over time

|                         | General health | Health-related quality of life |                         |                         |
|-------------------------|----------------|-------------------------------|-------------------------|-------------------------|
|                         | Self-report    | parent-report                 | self-report             | parent-report           |
|                         | \(n = 4,987\)  | \(n = 5,754\)                 | \(n = 4,293\)           | \(n = 4,345\)           |
| Fixed effects           | \(b\)          | 95 % CI                       | \(b\)                   | 95 % CI                 |
| Intercept               | 2.80***        | 2.75, 2.84                    | 2.87***                 | 2.83, 2.90              |
| Level 1-predictors      |                |                               |                         |                         |
| Time                    | 0.13***        | 0.10, 0.17                    | 0.09***                 | 0.06, 0.12              |
| Time x time             | -0.03***       | -0.04, -0.03                  | -0.03***                | -0.04, -0.02            |
| Time x time x time      | 0.00***        | 0.00, 0.00                    | 0.00***                 | 0.00, 0.00              |
| Level 2-predictors      |                |                               |                         |                         |
| Age                     | -0.01**        | -0.01, -0.00                  | -0.03***                | -0.03, -0.02            |
| Female                  | -0.26***       | -0.31, -0.22                  | -0.08***                | -0.13, -0.04            |
| Age by female           | -0.01***       | -0.02, -0.01                  | -0.01***                | -0.02, -0.01            |
| Random effects          |                |                               |                         |                         |
| Residual                | 0.36***        | 0.34, 0.38                    | 0.35***                 | 0.34, 0.36              |
| Intercept (subject id)  | 0.28***        | 0.25, 0.31                    | 0.32***                 | 0.29, 0.35              |
| Slope (time)            | 0.00***        | 0.00, 0.00                    | 0.00***                 | 0.00, 0.00              |
| Intercept, slope        | -0.01***       | -0.02, -0.01                  | -0.02***                | -0.02, -0.01            |
| Model fit               |                |                               |                         |                         |
| -2 Log Likelihood       | 22,515.76      | 24,850.33                     | 51,401.91               | 49,296.58               |
| df                      | 11             | 11                            | 11                      | 11                      |
| AIC                     | 22,537.76      | 24,872.33                     | 51,423.91               | 49,318.58               |
| BIC                     | 22,617.30      | 24,952.84                     | 51,499.52               | 49,393.62               |

Note: analysed longitudinal data was gathered at five measurement points, only for parent-reported health-related quality of life no baseline data was available.
CI = Confidence Interval; df = degrees of freedom; AIC = Akaike’s Information Criterion; BIC = Schwarz’s Bayesian Information Criterion.