Supplementary tables and figures

Table S1. Number of cases available for analyses after restrictions

Description / Restriction	N
Total sample	94516
Birthyear >= 1935 & Age >= 45	46257
Only Dutch born, plus Dutch born parents	43520
Only singles and heterosexual couples	43010
Only include data that is consistent [a]	42657
Age at first birth >=16 or missing	42627
Non-missing height	42612
Sample for use	42612
When including onset of relationship	
Age at start relationship >= 14 or missing	42549
Time till birth since start relationship >= 0	42116

[a] This includes: where full information on birth dates and sex of children was given, and when months of births were within appropriate digits (1-12)

Table S2. Descriptive statistics for men and women

	Men			Women		
	N	Mean ± SD / %	Min-Max	N	Mean ± SD / %	Min-Max
Birthyear	18032	1956 ± 7.93	1935-1967	24580	1956 ± 7.66	1935-1967
Age (yrs)	18032	54.33 ± 7.99	45-77	24580	53.9 ± 7.71	45-77
Height (cm)	18032	181.61 ± 6.83	129-210	24580	168.23 ± 6.29	114-196
# Children born	18032	2.11 ± 1.2	0-10	24580	2.17 ± 1.18	0-8
# Children surviving	18032	2.09 ± 1.18	0-10	24580	2.14 ± 1.15	0-8
Age at first birth	15480	28.88 ± 4.81	16-61	21603	26.3 ± 4.46	16-48
Age at last birth	15480	33.31 ± 5.04	18-63	21603	30.75 ± 4.55	16-59
Ever had child	18032	86%		24580	88%	
Ever had 2nd child	15480	92%		21535	92%	
Currently has partner	18032	91%		24580	85%	
# Children with partner	18032	1.85 ± 1.29	0-6	24580	1.82 ± 1.34	0-6
Duration relationship (years)	16314	27.43 ± 11.63	0-87	20855	28.67 ± 11.28	0-60
Age onset relationship (yrs)	16236	27.16 ± 8.57	16-74	20288	25.19 ± 8.55	16-71
Time until birth (yrs)	12908	4.91 ± 3.91	0-25	15994	4.62 ± 3.77	0-25
Ever married	17980	96%		24507	96%	
Education	17675			23712		
No education	121	0.7%		168	0.7%	
Primary education	497	2.8%		769	3.2%	
Lower or preparatory vocational education	3844	21.7%		4317	18.2%	
Lower general secondary education	2232	12.6%		5215	22%	
Intermediate vocational education or apprenticeship	4736	26.8%		6078	25.6%	
Higher general secondary education or pre-university secondary education	1101	6.2%		2095	8.8%	
Higher vocational education	4071	23%		4455	18.8%	
University	1073	6.1%		615	2.6%	

|						
Income	14964			18882		
< €750	73	0.5%		395	2.1%	
€750 - €1000	177	1.2%		797	4.2%	
€1000 - €1500	975	6.5%		2218	11.7%	
€1500 - €2000	2394	16%		3083	16.3%	
€2000 - €2500	2836	19%		3200	16.9%	
€2500 - €3000	2845	19%		3185	16.9%	
€3000 - €3500	2294	15.3%		2603	13.8%	
> €3500	3370	22.5%		3401	18%	
Health	17619			24063		
Excellent	1626	9.2%		1738	7.2%	
Very good	4532	25.7%		5307	22.1%	
Good	9801	55.6%		14313	59.5%	
Not so good	1562	8.9%		2594	10.8%	
Poor	98	0.6%		111	0.5%	
Age at menses (yrs)				23758	13.21 ± 1.49	8-20
Age at menopause (yrs)				13931	47.89 ± 5.59	30-60
Reproductive span (yrs)				13814	34.67 ± 5.7	13-49
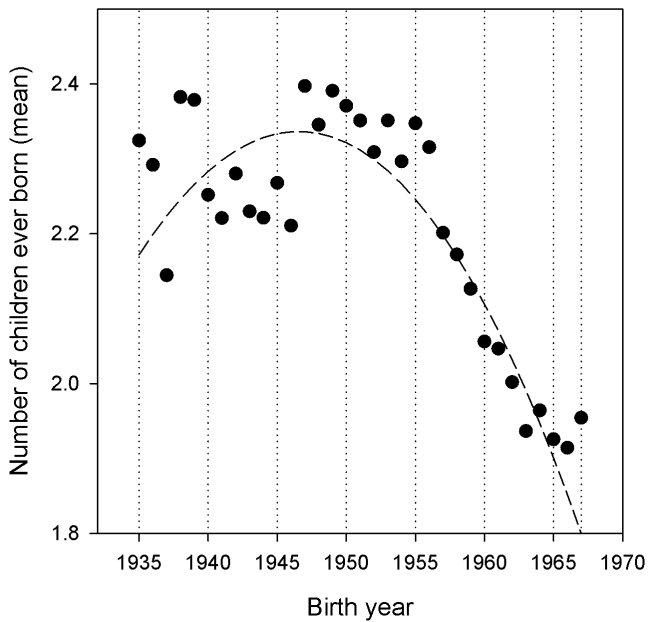
Figure S1. Mean fertility across birth years

Table S3. Five year running averages and standard deviations per birth year for males and females (average of values from given year, two preceding, and two subsequent years).

| Birthyear	Men					Women				
	Mean height	SD	N	Running average (5 y)	Running SD (5 y)	Mean height	SD	N	Running average (5 y)	Running SD (5 y)
1933	175.98	6.28	68			162.53	6.05	87		
1934	175.87	5.88	68			162.9	5.02	96		
1935	176.82	6.29	90	176.43	6.26	163.4	5.86	102	163.15	5.73
1936	176.3	6.67	104	176.52	6.29	163.89	5.71	143	163.34	5.7
1937	177.17	6.18	131	176.86	6.37	163.03	5.99	178	163.61	5.79
1938	176.43	6.44	153	176.98	6.37	163.47	5.91	174	163.71	5.73
1939	177.59	6.26	187	177.02	6.29	164.23	5.48	215	163.96	5.83
1940	177.39	6.28	210	177.05	6.51	163.91	5.55	263	164.3	5.89
1941	176.54	6.29	258	177.37	6.52	165.17	6.23	261	164.59	5.8
1942	177.3	7.29	266	177.6	6.61	164.74	6.29	319	164.88	5.91
1943	178.02	6.45	339	177.98	6.69	164.9	5.47	353	165.15	5.95
1944	178.72	6.73	346	178.42	6.7	165.7	6.02	424	165.4	5.88
1945	179.33	6.69	384	178.88	6.47	165.23	5.75	471	165.76	5.83
1946	178.71	6.31	522	179.15	6.48	166.4	5.88	631	166.01	5.92
1947	179.61	6.14	495	179.37	6.38	166.57	6.05	601	166.19	6.03
1948	179.39	6.52	517	179.5	6.24	166.13	5.9	661	166.56	6.14
1949	179.83	6.26	510	179.88	6.18	166.64	6.58	589	166.73	6.15
1950	179.95	5.98	473	180.12	6.27	167.04	6.3	616	166.82	6.13
1951	180.62	6	410	180.47	6.33	167.26	5.93	659	167.07	6.09
1952	180.83	6.62	470	180.79	6.32	167.02	5.95	686	167.37	5.94
1953	181.11	6.8	418	181.15	6.4	167.41	5.69	680	167.49	5.84
1954	181.42	6.19	490	181.41	6.49	168.1	5.83	677	167.69	5.86
1955	181.75	6.4	483	181.72	6.49	167.67	5.8	716	168.03	5.86
1956	181.93	6.45	491	181.92	6.48	168.24	6.03	684	168.35	5.96
1957	182.38	6.63	596	182.18	6.59	168.73	5.93	879	168.58	6.01
1958	182.14	6.71	789	182.39	6.63	168.99	6.21	1087	168.86	6.04
1959	182.71	6.73	992	182.57	6.59	169.27	6.1	1316	169.11	6.04
1960	182.81	6.6	1319	182.73	6.57	169.04	5.94	1792	169.21	6.09
1961	182.83	6.3	1416	182.98	6.54	169.49	6	2073	169.33	6.09
1962	183.14	6.5	1363	183.14	6.51	169.23	6.21	2061	169.43	6.08
1963	183.41	6.56	1471	183.31	6.54	169.63	6.18	2010	169.63	6.12
1964	183.54	6.6	1369	183.5	6.6	169.77	6.09	1917	169.78	6.15
1965	183.62	6.72	1323	183.66	6.62	170.03	6.09	1844	170.07	6.16
1966	183.79	6.61	1314	183.78	6.67	170.26	6.18	1831	170.28	6.15
1967	183.95	6.6	1260	183.85	6.66	170.67	6.27	1690	170.49	6.15
1968	184.01	6.81	1163			170.7	6.13	1773		
1969	183.9	6.6	1258			170.77	6.09	1796		
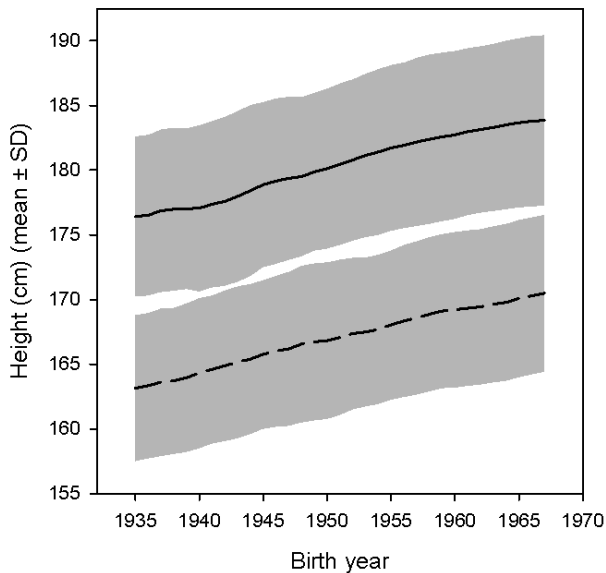
Figure S2. Running mean and SD for height
per birth year (see Table S3)

For all the tables below (S4-S14), the following information holds:
* Parameter estimates are given for the effects of birth cohort (seven categories), and height. We tested two models, one with a linear term of height and one with both the linear and the quadratic term, and we provide the parameters for the model in which all variables were significant (thus, when a quadratic term was non-significant, we only show the parameter estimates from the model with the linear term). When neither height nor height^2 is significant, we present the model with both variables.
* The 'interaction' in the table refers to an interaction between height and the factor birth cohort, which tests whether the effect of height on the dependent variable is different for the different cohorts. The significance test is a deviance test (*Chi-Square* with 6 degrees of freedom) when the dependent variable has a binary or Poisson distribution, and a partial *F*-test (*F*-test with 6 and *N* minus 7 degrees of freedom) when the dependent variable is normally distributed.
* When a significant quadratic effect was observed (either when the linear term was or was not significant), we obtained a 95% confidence interval for the optimum by simulating the model including the linear and quadratic term 1000 times (using the "simulate()" function in R), and determined the optimum for each of these instances.
* Effect size refers to our own calculated measure of effect size, which we obtained by
estimating the smallest (minimum) and largest (maximum) predicted value (based on the parameter estimates in Tables S4-S12; all predicted values are based on birth cohort 1950-54) within -2 and +2 standard deviations of the height range. We expressed the difference ratio between this maximum and minimum (maximum/minimum) in percentages.

Table S4. Poisson regression parameter estimates (B ± SE (p)) for the effect of birth cohort and male height on several dependent variables

	# Children ever born	# Surviving children	# Children after firstborn	# Children with current partner	# Children with current partner
Cohort=1935 (Intercept)	0.837 ± 0.026 (<.0001)	0.821 ± 0.026 (<.0001)	1.054 ± 0.026 (<.0001)	0.728 ± 0.028 (<.0001)	2.204 ± 0.036 (<.0001)
Cohort=1940	-0.027 ± 0.032 (0.3878)	-0.025 ± 0.032 (0.437)	-0.099 ± 0.032 (0.0017)	-0.044 ± 0.033 (0.1917)	-0.117 ± 0.034 (0.0005)
Cohort=1945	0.02 ± 0.029 (0.4929)	0.024 ± 0.029 (0.4236)	-0.136 ± 0.029 (<.0001)	0.009 ± 0.031 (0.7709)	-0.12 ± 0.031 (0.0001)
Cohort=1950	0.02 ± 0.029 (0.4923)	0.026 ± 0.03 (0.3862)	-0.125 ± 0.029 (<.0001)	-0.009 ± 0.031 (0.7613)	-0.141 ± 0.032 (<.0001)
Cohort=1955	-0.043 ± 0.028 (0.1311)	-0.037 ± 0.029 (0.195)	-0.13 ± 0.028 (<.0001)	-0.077 ± 0.03 (0.011)	-0.158 ± 0.031 (<.0001)
Cohort=1960	-0.164 ± 0.027 (<.0001)	-0.159 ± 0.028 (<.0001)	-0.193 ± 0.027 (<.0001)	-0.199 ± 0.029 (<.0001)	-0.245 ± 0.029 (<.0001)
Cohort=1965	-0.201 ± 0.031 (<.0001)	-0.199 ± 0.032 (<.0001)	-0.217 ± 0.031 (<.0001)	-0.219 ± 0.033 (<.0001)	-0.29 ± 0.034 (<.0001)
ZHeight	0.024 ± 0.005 (<.0001)	0.025 ± 0.005 (<.0001)	0.006 ± 0.005 (0.2633)	0.022 ± 0.006 (<.0001)	0.018 ± 0.006 (0.0016)
$ZHeight^2$	-0.012 ± 0.003 (0.0005)	-0.013 ± 0.003 (0.0003)	-0.003 ± 0.003 (0.3962)	-0.011 ± 0.004 (0.0021)	
Age in relationship					-0.052 ± 0.001 (<.0001)
N	18032	18032	15480	18032	16236
Interaction	7.386 (0.287)	8.349 (0.214)	3.227 (0.78)	6.605 (0.359)	4.133 (0.659)
Optimum (CI$_{95}$)	1.016 (0.504, 2.242)	0.996 (0.506, 2.146)		0.991 (0.481, 2.531)	
Effect size	11.6% (2.14-2.39)	12% (2.11-2.36)	2.7% (2.47-2.54)	10.7% (1.87-2.07)	7.4% (2.05-2.2) [a]

[a] This 'effect size' was established for the median age in the relationship (22 for women, 25 for men).

Table S5. Logistic regression parameter estimates (B ± SE (p)) for the effect of birth cohort and male height on several dependent variables

	Ever had partner	Currently has partner	Ever had child	Ever had 2nd child	Proportion surviving children	Ever had child deceased
Cohort=1935 (Intercept)	5.445 ± 0.578 (<.0001)	2.063 ± 0.123 (<.0001)	1.426 ± 0.099 (<.0001)	3.12 ± 0.218 (<.0001)	4.154 ± 0.208 (<.0001)	-3.148 ± 0.22 (<.0001)
Cohort=1940	-1.026 ± 0.625 (0.1007)	0.384 ± 0.156 (0.014)	0.422 ± 0.124 (0.0007)	-0.067 ± 0.259 (0.7942)	0.169 ± 0.258 (0.5115)	-0.214 ± 0.27 (0.4279)
Cohort=1945	-0.831 ± 0.612 (0.1743)	1.002 ± 0.156 (<.0001)	1.255 ± 0.127 (<.0001)	-0.409 ± 0.235 (0.0814)	0.248 ± 0.238 (0.2986)	-0.335 ± 0.25 (0.1803)
Cohort=1950	-1.308 ± 0.601 (0.0296)	0.896 ± 0.156 (<.0001)	1.109 ± 0.126 (<.0001)	-0.443 ± 0.236 (0.0601)	0.415 ± 0.246 (0.0925)	-0.524 ± 0.259 (0.0432)
Cohort=1955	-2.285 ± 0.584 (<.0001)	-0.001 ± 0.134 (0.9965)	0.539 ± 0.111 (<.0001)	-0.592 ± 0.229 (0.0099)	0.449 ± 0.237 (0.0576)	-0.547 ± 0.249 (0.0278)
Cohort=1960	-2.656 ± 0.58 (<.0001)	0.036 ± 0.128 (0.779)	0.153 ± 0.103 (0.1373)	-1.024 ± 0.222 (<.0001)	0.353 ± 0.223 (0.1129)	-0.573 ± 0.236 (0.015)
Cohort=1965	-2.635 ± 0.587 (<.0001)	0.371 ± 0.151 (0.0137)	0.083 ± 0.116 (0.4727)	-1.165 ± 0.233 (<.0001)	0.121 ± 0.255 (0.6361)	-0.284 ± 0.266 (0.2864)
ZHeight	0.131 ± 0.037 (0.0004)	0.108 ± 0.025 (<.0001)	0.12 ± 0.021 (<.0001)	0.111 ± 0.029 (0.0002)	0.054 ± 0.046 (0.2367)	-0.064 ± 0.048 (0.1861)
$ZHeight^2$	-0.055 ± 0.017 (0.0014)	-0.03 ± 0.014 (0.0285)	-0.047 ± 0.013 (0.0002)		-0.038 ± 0.024 (0.1125)	0.026 ± 0.027 (0.3499)

N	17980	18032	18032	15480	15480	15480
Interaction	13.036 (0.042)	13.802 (0.032)	12.416 (0.053)	9.529 (0.146)	4.311 (0.635)	4.659 (0.588)
Optimum (CI_{95})	1.188 (0.423, 3.934)	1.808 (0.381, 10.951)	1.265 (0.688, 2.803)			
Effect size	1.1% (0.97-0.99)	2.4% (0.93-0.96)	4.5% (0.89-0.93)	2.9% (0.92-0.95)	0.3% (0.99-0.99)	0.7% (0.98-0.97)[a]

[a] To determine the effect size, we calculated the probability of never having a child deceased, for consistency with "Proportion of surviving children"

Table S6. Linear regression parameter estimates (B ± SE (p)) for the effect of birth cohort and male height on several dependent variables

	Age in relationship	Age in relationship [a]	Age first birth	Time until birth child	Time until birth child [a]	Age last birth [c]
Cohort=1935 (Intercept)	28.269 ± 0.36 (<.0001)	25.142 ± 0.253 (<.0001)	27.229 ± 0.201 (<.0001)	9.218 ± 0.219 (<.0001)	10.714 ± 0.235 (<.0001)	32.856 ± 0.216 (<.0001)
Cohort=1940	-0.91 ± 0.431 (0.0345)	-0.885 ± 0.302 (0.0034)	-0.769 ± 0.238 (0.0013)	-0.272 ± 0.19 (0.152)	-0.394 ± 0.19 (0.038)	-1.356 ± 0.257 (<.0001)
Cohort=1945	-1.458 ± 0.4 (0.0003)	-1.256 ± 0.279 (<.0001)	-0.646 ± 0.221 (0.0035)	0.169 ± 0.177 (0.338)	0.077 ± 0.176 (0.662)	-1.284 ± 0.238 (<.0001)
Cohort=1950	-1.471 ± 0.404 (0.0003)	-1.462 ± 0.282 (<.0001)	0.261 ± 0.223 (0.2408)	1.429 ± 0.178 (<.0001)	1.221 ± 0.179 (<.0001)	-0.519 ± 0.241 (0.0309)
Cohort=1955	-1.188 ± 0.392 (0.0024)	-0.617 ± 0.274 (0.0243)	2.081 ± 0.216 (<.0001)	2.835 ± 0.174 (<.0001)	2.774 ± 0.174 (<.0001)	1.057 ± 0.234 (<.0001)
Cohort=1960	-1.14 ± 0.375 (0.0024)	-0.256 ± 0.263 (0.3305)	3.025 ± 0.208 (<.0001)	3.741 ± 0.167 (<.0001)	3.751 ± 0.167 (<.0001)	1.419 ± 0.225 (<.0001)
Cohort=1965	-1.644 ± 0.419 (<.0001)	-0.279 ± 0.291 (0.3376)	3.397 ± 0.234 (<.0001)	4.091 ± 0.186 (<.0001)	4.143 ± 0.187 (<.0001)	1.608 ± 0.255 (<.0001)
ZHeight	0.13 ± 0.068 (0.055)	-0.024 ± 0.046 (0.6048)	0.076 ± 0.037 (0.0396)	0.025 ± 0.03 (0.400)	0.02 ± 0.03 (0.502)	0.059 ± 0.041 (0.1457)
$ZHeight^2$	0.111 ± 0.043 (0.0103)	-0.354 ± 0.007 (<.0001)	0.049 ± 0.025 (0.0449)	-0.026 ± 0.02 (0.190)	-0.354 ± 0.007 (<.0001)	0.036 ± 0.027 (0.1811)
Age in relationship				-0.27 ± 0.006 (<.0001)	-0.334 ± 0.007 (<.0001)	
N	16236	13669	15480	12908	12292	14173
Interaction	1.374 (0.221)	1.353 (0.23)	0.662 (0.681)	0.369 (0.899)	0.28 (0.947)	3.047 (0.006)
Optimum (CI_{95})	-0.582 (-2.202, -0.0001)	0.075 (-0.198, 0.391)	-0.771 (-4.685, 0.175)			
Effect size	2.8% (26.76-27.5)	2.9% (23.68-24.36)	1.4% (27.46-27.84)	4.2% (3.74-3.90)[b]	3% (3.49-3.60)[b]	0.9% (32.31-32.60)

[a] Sample excluded individuals that were divorced, widowed, or had children with previous partners
[b] This 'effect size' was established for the median age in the relationship (22 for women, 25 for men).
[c] Sample only included individuals that had more than one child.

Table S7. Poisson regression parameter estimates (B ± SE (p)) for the effect of birth cohort and male height on the number of children ever born and potential mediation effects of relationship status

	# Children ever born [a]	# Children ever born [a]	# Children ever born [b]	# Children ever born [b]
Cohort=1935 (Intercept)	0.837 ± 0.026 (<.0001)	-1.099 ± 0.073 (<.0001)	0.837 ± 0.026 (<.0001)	0.267 ± 0.034 (<.0001)
Cohort=1940	-0.027 ± 0.032 (0.3994)	-0.02 ± 0.032 (0.5335)	-0.027 ± 0.032 (0.3878)	-0.043 ± 0.032 (0.1676)
Cohort=1945	0.021 ± 0.029 (0.4787)	0.026 ± 0.029 (0.3795)	0.02 ± 0.029 (0.4929)	-0.014 ± 0.029 (0.6414)
Cohort=1950	0.021 ± 0.029 (0.4717)	0.032 ± 0.029 (0.2813)	0.02 ± 0.029 (0.4923)	-0.011 ± 0.029 (0.7076)
Cohort=1955	-0.042 ± 0.028 (0.1425)	-0.008 ± 0.028 (0.7842)	-0.043 ± 0.028 (0.1311)	-0.043 ± 0.028 (0.1347)
Cohort=1960	-0.162 ± 0.027 (<.0001)	-0.112 ± 0.027 (<.0001)	-0.164 ± 0.027 (<.0001)	-0.166 ± 0.027 (<.0001)
Cohort=1965	-0.2 ± 0.031 (<.0001)	-0.152 ± 0.031 (<.0001)	-0.201 ± 0.031 (<.0001)	-0.217 ± 0.031 (<.0001)
ZHeight	0.024 ± 0.005 (<.0001)	0.019 ± 0.005 (0.0003)	0.024 ± 0.005 (<.0001)	0.02 ± 0.005 (0.0001)
ZHeight^2	-0.012 ± 0.003 (0.0006)	-0.008 ± 0.003 (0.0161)	-0.012 ± 0.003 (0.0005)	-0.01 ± 0.003 (0.0032)
Ever had partner[c]		1.936 ± 0.068 (<.0001)		
Currently has partner[d]				0.623 ± 0.023 (<.0001)
N	17980	17980	18032	18032
Interaction	7.215 (0.301)	7.292 (0.295)	7.386 (0.287)	4.841 (0.564)
Optimum (CI$_{95}$)	1.000 (0.483, 2.247)	1.118 (0.440, 5.21)	1.016 (0.523, 2.392)	0.974 (0.395, 2.671)
Effect size	11.3% (2.14-2.39)	8.5% (2.22-2.41)	11.6% (2.14-2.39)	9.4% (2.22-2.43)

[a] Sample included only men who had no missing values on the variable "Ever had a partner"
[b] Sample included only men who had no missing values on the variable "Currently does not have partner"
[c] Reference category "Never had partner"
[d] Reference category "Currently does not have partner"

Table S8. Poisson regression parameter estimates (B ± SE (p)) for the effect of birth cohort and female height on several dependent variables

	# Children ever born	# Surviving children	# Children after firstborn	# Children with current partner	# Children with current partner
Cohort=1935 (Intercept)	0.853 ± 0.023 (<.0001)	0.839 ± 0.024 (<.0001)	1.104 ± 0.023 (<.0001)	0.711 ± 0.025 (<.0001)	2.435 ± 0.036 (<.0001)
Cohort=1940	-0.033 ± 0.029 (0.2528)	-0.034 ± 0.029 (0.2337)	-0.116 ± 0.029 (<.0001)	-0.041 ± 0.031 (0.18)	-0.122 ± 0.035 (0.0005)
Cohort=1945	-0.004 ± 0.026 (0.8651)	-0.007 ± 0.026 (0.7955)	-0.181 ± 0.026 (<.0001)	-0.027 ± 0.028 (0.337)	-0.192 ± 0.032 (<.0001)
Cohort=1950	0.003 ± 0.026 (0.8982)	0.006 ± 0.026 (0.8116)	-0.178 ± 0.026 (<.0001)	-0.024 ± 0.028 (0.3968)	-0.211 ± 0.031 (<.0001)
Cohort=1955	-0.044 ± 0.025 (0.0801)	-0.042 ± 0.025 (0.099)	-0.179 ± 0.025 (<.0001)	-0.072 ± 0.027 (0.0081)	-0.227 ± 0.031 (<.0001)
Cohort=1960	-0.129 ± 0.024 (<.0001)	-0.126 ± 0.025 (<.0001)	-0.232 ± 0.024 (<.0001)	-0.178 ± 0.026 (<.0001)	-0.307 ± 0.03 (<.0001)
Cohort=1965	-0.17 ± 0.028 (<.0001)	-0.166 ± 0.028 (<.0001)	-0.272 ± 0.028 (<.0001)	-0.194 ± 0.03 (<.0001)	-0.338 ± 0.033 (<.0001)
ZHeight	-0.001 ± 0.004 (0.7983)	0.001 ± 0.004 (0.8138)	0.002 ± 0.004 (0.658)	0.004 ± 0.005 (0.366)	0.016 ± 0.005 (0.0014)
ZHeight^2	-0.007 ± 0.003 (0.0159)	-0.009 ± 0.003 (0.0022)	-0.002 ± 0.003 (0.544)	-0.007 ± 0.003 (0.0334)	
Age in relationship					-0.064 ± 0.001 (<.0001)
N	24580	24580	21535	24580	20288
Interaction	4.793 (0.571)	5.21 (0.517)	1.854 (0.933)	4.885 (0.559)	3.366 (0.762)
Optimum (CI$_{95}$)	-0.081 (-1.163, 0.768)	0.058 (-0.493, 0.601)		0.324 (-0.564, 2.365)	
Effect size	3.0% (2.29-2.35)	3.8% (2.24-2.33)	1.1% (2.5-2.53)	3.6% (1.92-1.99)	6.7% (2.19-2.33) [a]

[a] This 'effect size' was established for the median age in the relationship (22 for women, 25 for men).

Table S9. Logistic regression parameter estimates (B ± SE (p)) for the effect of birth cohort and female height on several dependent variables

	Ever had partner	Currently has partner	Ever had child	Ever had 2nd child	Proportion surviving children	Ever had child deceased
Cohort=1935 (Intercept)	3.826 ± 0.239 (<.0001)	0.652 ± 0.075 (<.0001)	1.266 ± 0.085 (<.0001)	3.469 ± 0.233 (<.0001)	4.178 ± 0.187 (<.0001)	-3.205 ± 0.205 (<.0001)
Cohort=1940	-0.134 ± 0.286 (0.6393)	0.361 ± 0.093 (0.0001)	0.434 ± 0.109 (<.0001)	-0.296 ± 0.271 (0.2737)	-0.094 ± 0.227 (0.679)	0.065 ± 0.244 (0.7894)
Cohort=1945	-0.082 ± 0.267 (0.7598)	1.042 ± 0.09 (<.0001)	1.265 ± 0.11 (<.0001)	-0.658 ± 0.247 (0.0078)	-0.126 ± 0.209 (0.5468)	0.024 ± 0.226 (0.9155)
Cohort=1950	-0.395 ± 0.258 (0.1254)	1.326 ± 0.091 (<.0001)	1.317 ± 0.108 (<.0001)	-0.867 ± 0.244 (0.0004)	0.216 ± 0.213 (0.3109)	-0.301 ± 0.23 (0.1908)
Cohort=1955	-0.571 ± 0.25 (0.0226)	1.14 ± 0.085 (<.0001)	0.816 ± 0.097 (<.0001)	-1.027 ± 0.24 (<.0001)	0.159 ± 0.206 (0.4412)	-0.283 ± 0.223 (0.2051)
Cohort=1960	-0.797 ± 0.243 (0.0011)	1.348 ± 0.081 (<.0001)	0.566 ± 0.09 (<.0001)	-1.254 ± 0.236 (<.0001)	0.213 ± 0.198 (0.2818)	-0.382 ± 0.215 (0.0763)
Cohort=1965	-0.804 ± 0.257 (0.0018)	1.533 ± 0.101 (<.0001)	0.563 ± 0.104 (<.0001)	-1.405 ± 0.244 (<.0001)	0.324 ± 0.234 (0.1655)	-0.505 ± 0.251 (0.0438)
ZHeight	-0.08 ± 0.031 (0.009)	-0.024 ± 0.018 (0.1756)	-0.027 ± 0.019 (0.1579)	0.002 ± 0.024 (0.9343)	0.12 ± 0.037 (0.0011)	-0.1 ± 0.038 (0.0089)
$Zheight^2$	-0.052 ± 0.014 (0.0002)	-0.034 ± 0.01 (0.0008)	-0.034 ± 0.011 (0.0012)	-0.02 ± 0.013 (0.1183)	-0.033 ± 0.01 (0.0014)	0.038 ± 0.016 (0.0155)
N	24507	24580	24580	21535	21535	21535
Interaction	9.754 (0.135)	9.784 (0.134)	5.632 (0.466)	3.69 (0.719)	3.403 (0.757)	2.772 (0.837)
Optimum (CI_{95})	-0.772 (-2.419, -0.204)	-0.354 (-1.297, 0.153)	-0.388 (-1.420, 0.194)		1.811 (0.421, 6.692)	1.307 (0.077, 9.689)
Effect size	1.1% (0.97-0.98)	2.5% (0.86-0.88)	1.5% (0.92-0.93)	0.6% (0.93-0.93)	0.7% (0.98-0.99)	1.4% (0.97-0.96) [a]

[a] To determine the effect size, we calculated the probability of never having a child deceased, for consistency with "Proportion of surviving children"

Table S10. Linear regression parameter estimates (B ± SE (p)) for the effect of birth cohort and female height on several dependent variables

	Age in relationship	Age in relationship [a]	Age first birth	Time until birth child	Time until birth child [a]	Age last birth [c]
Cohort=1935 (Intercept)	26.049 ± 0.381 (<.0001)	23.388 ± 0.243 (<.0001)	24.912 ± 0.17 (<.0001)	9.491 ± 0.216 (<.0001)	10.113 ± 0.228 (<.0001)	30.93 ± 0.174 (<.0001)
Cohort=1940	-0.618 ± 0.456 (0.175)	-0.408 ± 0.29 (0.1592)	-0.517 ± 0.204 (0.0111)	-0.053 ± 0.192 (0.784)	-0.067 ± 0.194 (0.729)	-1.545 ± 0.209 (<.0001)
Cohort=1945	-1.146 ± 0.417 (0.0061)	-1.312 ± 0.265 (<.0001)	-0.725 ± 0.187 (0.0001)	0.134 ± 0.175 (0.443)	0.092 ± 0.177 (0.606)	-2.04 ± 0.192 (<.0001)
Cohort=1950	-1.463 ± 0.412 (0.0004)	-1.613 ± 0.262 (<.0001)	-0.255 ± 0.185 (0.1687)	0.958 ± 0.173 (<.0001)	0.897 ± 0.175 (<.0001)	-1.375 ± 0.191 (<.0001)
Cohort=1955	-0.996 ± 0.404 (0.0136)	-1.243 ± 0.257 (<.0001)	1.349 ± 0.181 (<.0001)	2.4 ± 0.17 (<.0001)	2.34 ± 0.172 (<.0001)	-0.24 ± 0.186 (0.1974)
Cohort=1960	-0.716 ± 0.391 (0.0674)	-0.794 ± 0.249 (0.0015)	2.653 ± 0.175 (<.0001)	3.614 ± 0.165 (<.0001)	3.609 ± 0.167 (<.0001)	0.718 ± 0.18 (<.0001)
Cohort=1965	-0.974 ± 0.425 (0.022)	-0.645 ± 0.27 (0.017)	3.469 ± 0.194 (<.0001)	4.319 ± 0.18 (<.0001)	4.341 ± 0.182 (<.0001)	1.191 ± 0.201 (<.0001)

ZHeight	0.1 ± 0.06 (0.0979)	0.217 ± 0.038 (<.0001)	0.289 ± 0.029 (<.0001)	0.128 ± 0.026 (<.0001)	0.131 ± 0.026 (<.0001)	0.243 ± 0.03 (<.0001)
ZHeight^2	0.066 ± 0.037 (0.0781)	0.093 ± 0.024 (0.0001)	0.042 ± 0.018 (0.0194)			0.045 ± 0.019 (0.0163)
Age in relationship				-0.325 ± 0.006 (<.0001)	-0.354 ± 0.007 (<.0001)	
N	20288	16894	21535	15994	15370	19750
Interaction	0.539 (0.779)	0.381 (0.892)	1.731 (0.109)	0.993 (0.428)	0.849 (0.532)	0.887 (0.504)
Optimum (CI$_{95}$)	-0.759 (-5.692, 2.399)	-1.161 (-2.372, -0.653)	-3.452 (-14.495,-1.730)			-2.705 (-10.120,-1.351)
Effect size	2.0% (24.55-25.05)	4.3% (21.65-22.58)	4.8% (24.25-25.4)	16.9% (3.04-3.55)	17.7% (2.97-3.49)	3.3% (29.25-30.22)

[a] Sample excluded individuals that were divorced, widowed, or had children with previous partners
[b] This 'effect size' was established for the median age in the relationship (22 for women, 25 for men).
[c] Sample only included individuals that had more than one child.

Table S11. Poisson regression parameter estimates (B ± SE (p)) for the effect of birth cohort and female height on the number of children ever born and potential mediation effects of relationship status

	# Children ever born [a]	# Children ever born [a]	# Children ever born [b]	# Children ever born [b]
Cohort=1935 (Intercept)	0.853 ± 0.023 (<.0001)	-0.343 ± 0.046 (<.0001)	0.853 ± 0.023 (<.0001)	0.655 ± 0.025 (<.0001)
Cohort=1940	-0.031 ± 0.029 (0.2782)	-0.029 ± 0.029 (0.315)	-0.033 ± 0.029 (0.2528)	-0.054 ± 0.029 (0.0602)
Cohort=1945	-0.005 ± 0.026 (0.8603)	-0.003 ± 0.026 (0.905)	-0.004 ± 0.026 (0.8651)	-0.055 ± 0.026 (0.0351)
Cohort=1950	0.003 ± 0.026 (0.9059)	0.011 ± 0.026 (0.679)	0.003 ± 0.026 (0.8982)	-0.057 ± 0.026 (0.0293)
Cohort=1955	-0.044 ± 0.025 (0.0843)	-0.032 ± 0.025 (0.211)	-0.044 ± 0.025 (0.0801)	-0.099 ± 0.025 (0.0001)
Cohort=1960	-0.128 ± 0.024 (<.0001)	-0.109 ± 0.024 (<.0001)	-0.129 ± 0.024 (<.0001)	-0.19 ± 0.024 (<.0001)
Cohort=1965	-0.17 ± 0.028 (<.0001)	-0.151 ± 0.028 (<.0001)	-0.17 ± 0.028 (<.0001)	-0.235 ± 0.028 (<.0001)
Zheight	-0.001 ± 0.004 (0.7595)	0.001 ± 0.004 (0.835)	-0.001 ± 0.004 (0.7983)	0 ± 0.004 (0.9263)
Zheight^2	-0.007 ± 0.003 (0.0213)	-0.004 ± 0.003 (0.125)	-0.007 ± 0.003 (0.0159)	-0.006 ± 0.003 (0.0513)
Ever had partner[c]		1.209 ± 0.04 (<.0001)		
Currently has partner[d]				0.289 ± 0.014 (<.0001)
N	24507	24507	24580	24580
Interaction	4.89 (0.558)	3.724 (0.714)	4.793 (0.571)	3.724 (0.714)
Optimum (CI$_{95}$)	-0.102 (-1.250, 0.939)	0.104 (-2.507, 2.638)	-0.081 (-1.012, 0.818)	-0.037 (-1.903, 1.376)
Effect size	3.0% (2.29-2.35)	1.9% (2.36-2.40)	3% (2.29-2.35)	2.3% (2.37-2.43)

[a] Sample included only women who had no missing values on the variable "Ever had a partner"
[b] Sample included only women who had no missing values on the variable "Currently does not have partner"
[c] Reference category "Never had partner"
[d] Reference category "Currently does not have partner"

Table S12. Linear regression parameter estimates (B ± SE (p)) for the effect of birth cohort and female height on age a menses, age at menopause, and reproductive span

	Age at menses [a]	Age at menopause [b]	Reproductive span [c]
Cohort=1935 (Intercept)	13.448 ± 0.059 (<.0001)	48.685 ± 0.208 (<.0001)	35.213 ± 0.218 (<.0001)
Cohort=1940	-0.088 ± 0.071 (0.219)	0.31 ± 0.25 (0.2163)	0.427 ± 0.259 (0.099)
Cohort=1945	-0.099 ± 0.066 (0.133)	0.677 ± 0.23 (0.0033)	0.816 ± 0.238 (0.0006)
Cohort=1950	-0.241 ± 0.065 (0.0002)	0.966 ± 0.228 (<.0001)	1.252 ± 0.235 (<.0001)
Cohort=1955	-0.244 ± 0.063 (0.0001)	-0.502 ± 0.228 (0.0279)	-0.195 ± 0.236 (0.4081)
Cohort=1960	-0.303 ± 0.061 (<.0001)	-4.239 ± 0.23 (<.0001)	-3.842 ± 0.238 (<.0001)
Cohort=1965	-0.266 ± 0.067 (<.0001)	-7.899 ± 0.331 (<.0001)	-7.506 ± 0.343 (<.0001)
ZHeight	0.169 ± 0.01 (<.0001)	0.148 ± 0.043 (0.0007)	0.004 ± 0.045 (0.9252)
$ZHeight^2$			-0.008 ± 0.029 (0.7716)
N	23758	13931	13814
Interaction	2.223 (0.038)	166.31 (1.062)	1.069 (0.379)
Optimum (CI_{95})			
Effect size	5.3% (12.87-13.55)	1.2% (49.36-49.95)	0.1% (36.42-36.47)

[a] Restricted sample to those who had onset of menses between the ages of 8 and 20
[b] Restricted sample to those who had age of menopause between the ages of 30 and 60
[c] Age at menopause minus age at menses

Table S13. Poisson regression parameter estimates (B ± SE (p)) for the effect of birth cohort, age at menses, and female height on the number of children born and potential mediation effects of age at menses

	Children ever born [a]	Children ever born [a]
Cohort=1935 (Intercept)	1.079 ± 0.024 (<.0001)	0.166 ± 0.255 (0.5145)
Cohort=1940	-0.128 ± 0.029 (<.0001)	-0.128 ± 0.029 (<.0001)
Cohort=1945	-0.195 ± 0.026 (<.0001)	-0.194 ± 0.026 (<.0001)
Cohort=1950	-0.22 ± 0.026 (<.0001)	-0.217 ± 0.026 (<.0001)
Cohort=1955	-0.269 ± 0.025 (<.0001)	-0.265 ± 0.025 (<.0001)
Cohort=1960	-0.353 ± 0.024 (<.0001)	-0.349 ± 0.025 (<.0001)
Cohort=1965	-0.393 ± 0.028 (<.0001)	-0.389 ± 0.028 (<.0001)
ZHeight	-0.005 ± 0.004 (0.2719)	-0.008 ± 0.004 (0.0815)
$ZHeight^2$	-0.006 ± 0.003 (0.0505)	-0.005 ± 0.003 (0.053)
Age menses		0.123 ± 0.038 (0.0012)
$Age menses^2$		-0.004 ± 0.001 (0.0041)
N	23758	23758
Interaction	1.645 (0.949)	1.661 (0.948)
Optimum (CI_{95})	-0.434 (-3.281, 0.781)	-0.700 (-4.161, 1.040)
Effect size	3.3% (2.29-2.36)	4.1% (2.17-2.26) [b]

[a] We restricted the sample to those with no missing values for age at menses, and for whom the onset of menses occurred between the ages of 8 and 20
[b] This 'effect size' was established for the median age at menses (13).

Table S14. Poisson regression parameter estimates (B ± SE (p)) for the effect of birth cohort, height, health, education, and income on the number of ever born children and the number of surviving children

	Female		Male	
	Children ever born	Children surviving to age 18	Children ever born	Children surviving to age 18
Cohort=1935 (Intercept)	1.204 ± 0.082 (<.0001)	1.19 ± 0.082 (<.0001)	0.665 ± 0.131 (<.0001)	0.652 ± 0.131 (<.0001)
Cohort=1940	-0.135 ± 0.035 (<.0001)	-0.137 ± 0.035 (<.0001)	-0.112 ± 0.035 (0.0015)	-0.108 ± 0.036 (0.0024)
Cohort=1945	-0.217 ± 0.032 (<.0001)	-0.221 ± 0.032 (<.0001)	-0.165 ± 0.033 (<.0001)	-0.16 ± 0.033 (<.0001)
Cohort=1950	-0.237 ± 0.032 (<.0001)	-0.234 ± 0.032 (<.0001)	-0.188 ± 0.033 (<.0001)	-0.18 ± 0.033 (<.0001)
Cohort=1955	-0.284 ± 0.031 (<.0001)	-0.283 ± 0.031 (<.0001)	-0.26 ± 0.032 (<.0001)	-0.253 ± 0.032 (<.0001)
Cohort=1960	-0.368 ± 0.03 (<.0001)	-0.365 ± 0.031 (<.0001)	-0.385 ± 0.031 (<.0001)	-0.379 ± 0.031 (<.0001)
Cohort=1965	-0.409 ± 0.034 (<.0001)	-0.406 ± 0.034 (<.0001)	-0.421 ± 0.035 (<.0001)	-0.417 ± 0.035 (<.0001)
Zheight	-0.002 ± 0.005 (0.6587)	-0.001 ± 0.005 (0.8225)	0.013 ± 0.006 (0.0264)	0.014 ± 0.006 (0.0183)
Zheight^2	-0.008 ± 0.003 (0.0173)	-0.009 ± 0.003 (0.0117)	-0.01 ± 0.004 (0.0078)	-0.011 ± 0.004 (0.005)
Health[a]				
Excellent	0.003 ± 0.021 (0.8829)	0.004 ± 0.021 (0.84)	-0.019 ± 0.021 (0.3786)	-0.017 ± 0.021 (0.4103)
Very good	-0.042 ± 0.02 (0.0307)	-0.044 ± 0.02 (0.0269)	-0.052 ± 0.02 (0.0086)	-0.053 ± 0.02 (0.0083)
Good	-0.083 ± 0.024 (0.0008)	-0.086 ± 0.025 (0.0005)	-0.091 ± 0.027 (0.0008)	-0.092 ± 0.027 (0.0007)
Not so good	-0.246 ± 0.089 (0.0059)	-0.248 ± 0.09 (0.0058)	-0.119 ± 0.087 (0.1692)	-0.121 ± 0.087 (0.1655)
Education[b]				
Primary education	0.035 ± 0.073 (0.6316)	0.038 ± 0.074 (0.6104)	0.064 ± 0.087 (0.4601)	0.059 ± 0.087 (0.4964)
Lower or preparatory vocational education	0.003 ± 0.068 (0.968)	0.005 ± 0.068 (0.9371)	0.072 ± 0.079 (0.3639)	0.072 ± 0.08 (0.3691)
Lower general secondary education	-0.019 ± 0.068 (0.7746)	-0.018 ± 0.068 (0.7919)	0.042 ± 0.08 (0.5995)	0.04 ± 0.08 (0.6214)
Intermediate vocational education or apprenticeship	0.005 ± 0.068 (0.9418)	0.007 ± 0.068 (0.9144)	0.073 ± 0.079 (0.3553)	0.073 ± 0.08 (0.3606)
Higher general secondary education or pre-university secondary education	-0.062 ± 0.069 (0.3671)	-0.061 ± 0.07 (0.3852)	0.03 ± 0.082 (0.7175)	0.023 ± 0.082 (0.7804)
Higher vocational education	-0.099 ± 0.068 (0.1461)	-0.099 ± 0.069 (0.1507)	0.058 ± 0.08 (0.4646)	0.059 ± 0.08 (0.4596)
University	-0.211 ± 0.075 (0.0048)	-0.205 ± 0.075 (0.0064)	0.091 ± 0.082 (0.2674)	0.091 ± 0.082 (0.2679)
Income[c]				
€750 - €1000	-0.091 ± 0.041 (0.0286)	-0.092 ± 0.042 (0.027)	-0.11 ± 0.119 (0.3553)	-0.104 ± 0.119 (0.3841)
€1000 - €1500	-0.087 ± 0.036 (0.0167)	-0.089 ± 0.037 (0.0155)	0.234 ± 0.101 (0.0204)	0.23 ± 0.102 (0.0238)
€1500 - €2000	-0.086 ± 0.036 (0.0159)	-0.088 ± 0.036 (0.0138)	0.331 ± 0.099 (0.0008)	0.328 ± 0.1 (0.001)
€2000 - €2500	-0.049 ± 0.036	-0.052 ± 0.036	0.389 ± 0.099	0.385 ± 0.099

	(0.1681)	(0.1477)	(<.0001)	(0.0001)
€2500 - €3000	-0.021 ± 0.036 (0.5471)	-0.024 ± 0.036 (0.4966)	0.413 ± 0.099 (<.0001)	0.411 ± 0.099 (<.0001)
€3000 - €3500	-0.033 ± 0.036 (0.3615)	-0.034 ± 0.037 (0.3548)	0.39 ± 0.099 (<.0001)	0.384 ± 0.1 (0.0001)
> €3500	-0.045 ± 0.036 (0.2177)	-0.047 ± 0.036 (0.1996)	0.385 ± 0.099 (0.0001)	0.383 ± 0.099 (0.0001)
N	18274	18274	14672	14672
Interaction	3.2 (0.783)	2.814 (0.832)	7.427 (0.283)	7.751 (0.257)
Optimum (CI$_{95}$)	-0.139 (-0.990, 0.585)	-0.066 (-1.079, 0.674)	0.63 (0.060, 2.224)	0.63 (0.115, 2.060)
Effect size [d]	3.8% (2.27-2.35)	3.8% (2.24-2.32)	7.3% (2.20-2.36)	7.8% (2.17-2.34)

[a] Reference category "Poor"
[b] Reference category "No education"
[c] Reference category "< €750 Euro"
[d] This 'effect size' was established for "Good" health, "Secondary education", and €2000 - €2500 income.