

Appendices

Table S1. Results: All-cause Mortality for Swedish Women, Born 1915 to 1960.

| Variable | Category | RR | SE | 95% CI | RR | SE | 95% CI |
|--------------------|-------------------------|-----------|------|-----------|------|------|-----------|
| Parity | Childless | 1.00 | | | 1.00 | | |
| | Biological - 1 | 0.86 | 0.00 | 0.85-0.86 | 1.01 | 0.00 | 1.00-1.02 |
| | Biological - 2 | 0.74 | 0.00 | 0.73-0.74 | 0.90 | 0.00 | 0.89-0.90 |
| | Biological - 3 | 0.75 | 0.00 | 0.74-0.76 | 0.91 | 0.00 | 0.90-0.92 |
| | Biological - 4 | 0.82 | 0.00 | 0.81-0.82 | 0.97 | 0.01 | 0.96-0.98 |
| | Biological - 5 | 0.89 | 0.01 | 0.87-0.90 | 1.01 | 0.01 | 0.99-1.02 |
| | Biological - 6 | 0.95 | 0.01 | 0.93-0.97 | 1.06 | 0.01 | 1.03-1.08 |
| | Biological - 7 | 1.02 | 0.02 | 0.98-1.05 | 1.10 | 0.02 | 1.06-1.14 |
| | Biological - 8 | 1.03 | 0.03 | 0.98-1.09 | 1.04 | 0.03 | 0.99-1.10 |
| | Adoptive - 1 | 0.81 | 0.01 | 0.79-0.83 | 0.70 | 0.02 | 0.66-0.75 |
| | Adoptive - 2 | 0.58 | 0.01 | 0.56-0.61 | 0.57 | 0.02 | 0.53-0.62 |
| | Adoptive - 3 | 0.57 | 0.05 | 0.47-0.69 | 0.61 | 0.06 | 0.50-0.74 |
| | Adoptive - 4 | 0.69 | 0.17 | 0.43-1.11 | 0.77 | 0.19 | 0.48-1.24 |
| | Birth Cohort | 1915-1920 | 1.00 | | | 1.00 | |
| 1921-1925 | | 0.91 | 0.00 | 0.91-0.92 | 1.06 | 0.01 | 1.05-1.08 |
| 1926-1930 | | 0.82 | 0.00 | 0.82-0.83 | 1.12 | 0.01 | 1.11-1.14 |
| 1931-1935 | | 0.78 | 0.00 | 0.77-0.79 | 1.14 | 0.01 | 1.12-1.16 |
| 1936-1940 | | 0.77 | 0.00 | 0.76-0.78 | 1.21 | 0.01 | 1.19-1.23 |
| 1941-1945 | | 0.81 | 0.01 | 0.80-0.82 | 1.38 | 0.01 | 1.35-1.40 |
| 1946-1950 | | 0.80 | 0.01 | 0.78-0.81 | 1.45 | 0.01 | 1.42-1.47 |
| 1951-1955 | | 0.79 | 0.01 | 0.77-0.81 | 1.53 | 0.02 | 1.49-1.57 |
| 1955-1960 | | 0.77 | 0.01 | 0.74-0.79 | 1.52 | 0.03 | 1.47-1.57 |
| Origin of Adoptees | Domestic | | | | 1.46 | 0.05 | 1.36-1.56 |
| | Transnational | | | | 1.00 | | |
| | Mixed | | | | 1.16 | 0.16 | 0.89-1.52 |
| Education | Primary <9 years | | | | 1.00 | | |
| | Primary - 9 years | | | | 0.91 | 0.00 | 0.91-0.92 |
| | Secondary - 10-11 years | | | | 0.85 | 0.00 | 0.84-0.85 |
| | Secondary - 12 years | | | | 0.80 | 0.01 | 0.78-0.81 |
| | Tertiary - 13-15 years | | | | 0.71 | 0.01 | 0.70-0.72 |
| | Tertiary - 15+ years | | | | 0.65 | 0.00 | 0.64-0.66 |
| | Post-graduate | | | | 0.61 | 0.03 | 0.56-0.67 |
| | Missing | | | | 7.51 | 0.03 | 7.45-7.57 |
| EGP | I | | | | 1.00 | | 0.00-0.00 |
| | II | | | | 0.99 | 0.01 | 0.97-1.01 |
| | III | | | | 1.08 | 0.01 | 1.06-1.10 |
| | IV | | | | 0.99 | 0.01 | 0.96-1.01 |
| | VI-VII | | | | 1.14 | 0.01 | 1.12-1.17 |
| | Unknown | | | | 1.09 | 0.01 | 1.07-1.12 |

Table S2. Results: All-cause Mortality for Swedish Men, Born 1915 to 1960.

| Variable | Category | RR | SE | 95% CI | RR | SE | 95% CI |
|--------------------|-------------------------|-----------|------|-----------|------|------|-----------|
| Parity | Childless | 1.00 | | | 1.00 | | |
| | Biological - 1 | 0.79 | 0.00 | 0.79-0.80 | 1.01 | 0.00 | 1.00-1.02 |
| | Biological - 2 | 0.68 | 0.00 | 0.67-0.68 | 0.90 | 0.00 | 0.90-0.91 |
| | Biological - 3 | 0.69 | 0.00 | 0.69-0.70 | 0.92 | 0.00 | 0.92-0.93 |
| | Biological - 4 | 0.76 | 0.00 | 0.75-0.77 | 0.98 | 0.00 | 0.97-0.99 |
| | Biological - 5 | 0.83 | 0.01 | 0.82-0.85 | 1.04 | 0.01 | 1.02-1.05 |
| | Biological - 6 | 0.88 | 0.01 | 0.86-0.90 | 1.07 | 0.01 | 1.04-1.09 |
| | Biological - 7 | 0.92 | 0.02 | 0.89-0.95 | 1.08 | 0.02 | 1.04-1.12 |
| | Biological - 8 | 0.90 | 0.02 | 0.86-0.95 | 1.01 | 0.03 | 0.96-1.07 |
| | Adoptive - 1 | 0.67 | 0.01 | 0.66-0.69 | 0.66 | 0.02 | 0.63-0.70 |
| | Adoptive - 2 | 0.51 | 0.01 | 0.49-0.53 | 0.57 | 0.02 | 0.54-0.60 |
| | Adoptive - 3 | 0.46 | 0.04 | 0.39-0.54 | 0.51 | 0.04 | 0.43-0.60 |
| | Adoptive - 4 | 0.65 | 0.11 | 0.47-0.91 | 0.72 | 0.12 | 0.51-1.01 |
| | Birth Cohort | 1915-1920 | 1.00 | | | 1.00 | |
| 1921-1925 | | 0.90 | 0.00 | 0.89-0.90 | 0.98 | 0.01 | 0.97-0.99 |
| 1926-1930 | | 0.80 | 0.00 | 0.80-0.81 | 1.07 | 0.01 | 1.06-1.09 |
| 1931-1935 | | 0.72 | 0.00 | 0.71-0.72 | 1.08 | 0.01 | 1.07-1.09 |
| 1936-1940 | | 0.63 | 0.00 | 0.62-0.64 | 1.06 | 0.01 | 1.05-1.07 |
| 1941-1945 | | 0.58 | 0.00 | 0.57-0.58 | 1.12 | 0.01 | 1.10-1.14 |
| 1946-1950 | | 0.53 | 0.00 | 0.52-0.53 | 1.10 | 0.01 | 1.09-1.12 |
| 1951-1955 | | 0.49 | 0.00 | 0.48-0.50 | 1.13 | 0.01 | 1.11-1.15 |
| 1955-1960 | | 0.45 | 0.01 | 0.44-0.46 | 1.06 | 0.02 | 1.03-1.09 |
| Origin of Adoptees | Domestic | | | | 1.41 | 0.04 | 1.33-1.49 |
| | Transnational | | | | 1.00 | | |
| | Mixed | | | | 1.08 | 0.11 | 0.88-1.33 |
| Education | Primary < 9 years | | | | 1.00 | | |
| | Primary - 9 years | | | | 1.04 | 0.01 | 1.03-1.05 |
| | Secondary - 10-11 years | | | | 0.93 | 0.00 | 0.92-0.93 |
| | Secondary - 12 years | | | | 0.83 | 0.00 | 0.82-0.84 |
| | Tertiary - 13-15 years | | | | 0.77 | 0.00 | 0.76-0.78 |
| | Tertiary - 15+ years | | | | 0.71 | 0.00 | 0.70-0.72 |
| | Post-graduate | | | | 0.63 | 0.01 | 0.61-0.66 |
| | Missing | | | | 8.06 | 0.03 | 8.01-8.12 |
| EGP | I | | | | 1.00 | | |
| | II | | | | 1.05 | 0.01 | 1.04-1.07 |
| | III | | | | 1.12 | 0.01 | 1.10-1.14 |
| | IV | | | | 0.95 | 0.01 | 0.93-0.98 |
| | VI-VII | | | | 1.19 | 0.01 | 1.17-1.20 |
| | Unknown | | | | 0.99 | 0.01 | 0.98-1.01 |

Table S3. Results: Cause-specific Mortality for Swedish Women, Born 1915 to 1960. Model 1 adjusts for birth cohort. Model 2 adjusts for birth cohort, educational attainment, adult socioeconomic status, and origin of adopted children.

| Cause-of-death | Parity | Model 1 | | | Model 2 | | |
|------------------------------------|----------------|---------|------|-----------|---------|------|-----------|
| | | RR | SE | 95% CI | RR | SE | 95% CI |
| Neoplasms | Childless | 1.00 | | | 1.00 | | |
| | Biological - 1 | 0.93 | 0.01 | 0.91-0.94 | 1.16 | 0.01 | 1.14-1.18 |
| | Biological - 2 | 0.82 | 0.01 | 0.81-0.83 | 1.07 | 0.01 | 1.05-1.08 |
| | Biological - 3 | 0.82 | 0.01 | 0.81-0.83 | 1.07 | 0.01 | 1.05-1.09 |
| | Biological - 4 | 0.85 | 0.01 | 0.83-0.86 | 1.09 | 0.01 | 1.07-1.11 |
| | Biological - 5 | 0.89 | 0.01 | 0.87-0.92 | 1.10 | 0.02 | 1.07-1.13 |
| | Biological - 6 | 0.93 | 0.02 | 0.89-0.98 | 1.13 | 0.03 | 1.08-1.18 |
| | Biological - 7 | 0.88 | 0.03 | 0.82-0.94 | 1.01 | 0.04 | 0.94-1.09 |
| | Biological - 8 | 0.86 | 0.05 | 0.77-0.96 | 0.91 | 0.05 | 0.82-1.01 |
| | Adoptive - 1 | 0.87 | 0.02 | 0.83-0.91 | 0.81 | 0.04 | 0.74-0.90 |
| | Adoptive - 2 | 0.66 | 0.03 | 0.61-0.72 | 0.71 | 0.04 | 0.64-0.79 |
| | Adoptive - 3 | 0.55 | 0.09 | 0.40-0.76 | 0.63 | 0.11 | 0.46-0.88 |
| | Adoptive - 4 | 0.62 | 0.25 | 0.28-1.38 | 0.73 | 0.30 | 0.33-1.65 |
| Diseases of the circulatory system | Childless | 1.00 | | | 1.00 | | |
| | Biological - 1 | 0.86 | 0.01 | 0.85-0.87 | 0.97 | 0.01 | 0.96-0.98 |
| | Biological - 2 | 0.75 | 0.00 | 0.74-0.75 | 0.87 | 0.01 | 0.86-0.88 |
| | Biological - 3 | 0.78 | 0.01 | 0.77-0.79 | 0.90 | 0.01 | 0.89-0.91 |
| | Biological - 4 | 0.87 | 0.01 | 0.85-0.88 | 0.98 | 0.01 | 0.96-1.00 |
| | Biological - 5 | 0.97 | 0.01 | 0.95-0.99 | 1.04 | 0.01 | 1.02-1.07 |
| | Biological - 6 | 1.08 | 0.02 | 1.04-1.12 | 1.14 | 0.02 | 1.10-1.18 |
| | Biological - 7 | 1.20 | 0.03 | 1.14-1.26 | 1.23 | 0.03 | 1.17-1.29 |
| | Biological - 8 | 1.23 | 0.05 | 1.14-1.32 | 1.19 | 0.04 | 1.11-1.28 |
| | Adoptive - 1 | 0.83 | 0.02 | 0.80-0.87 | 0.67 | 0.04 | 0.59-0.76 |
| | Adoptive - 2 | 0.58 | 0.02 | 0.53-0.62 | 0.52 | 0.04 | 0.45-0.60 |
| | Adoptive - 3 | 0.50 | 0.09 | 0.35-0.71 | 0.49 | 0.09 | 0.34-0.72 |
| | Adoptive - 4 | 0.29 | 0.20 | 0.07-1.14 | 0.31 | 0.22 | 0.08-1.24 |
| External causes | Childless | 1.00 | | | 1.00 | | |
| | Biological - 1 | 0.80 | 0.02 | 0.76-0.83 | 1.05 | 0.02 | 1.01-1.09 |
| | Biological - 2 | 0.59 | 0.01 | 0.57-0.61 | 0.81 | 0.02 | 0.78-0.84 |
| | Biological - 3 | 0.59 | 0.01 | 0.57-0.62 | 0.81 | 0.02 | 0.78-0.85 |
| | Biological - 4 | 0.63 | 0.02 | 0.59-0.66 | 0.84 | 0.03 | 0.79-0.89 |
| | Biological - 5 | 0.63 | 0.03 | 0.58-0.69 | 0.81 | 0.04 | 0.74-0.88 |
| | Biological - 6 | 0.60 | 0.04 | 0.52-0.70 | 0.76 | 0.06 | 0.65-0.87 |
| | Biological - 7 | 0.63 | 0.07 | 0.51-0.78 | 0.75 | 0.08 | 0.60-0.93 |
| | Biological - 8 | 0.49 | 0.09 | 0.34-0.72 | 0.54 | 0.10 | 0.37-0.78 |
| | Adoptive - 1 | 0.65 | 0.04 | 0.57-0.75 | 0.54 | 0.09 | 0.39-0.74 |
| | Adoptive - 2 | 0.45 | 0.06 | 0.35-0.57 | 0.45 | 0.08 | 0.32-0.62 |
| | Adoptive - 3 | 0.79 | 0.28 | 0.39-1.57 | 0.84 | 0.32 | 0.40-1.75 |
| | Adoptive - 4 | 0.00 | 0.00 | . | 0.00 | 0.00 | . |
| All other causes | Childless | 1.00 | | | 1.00 | | |
| | Biological - 1 | 0.79 | 0.01 | 0.78-0.80 | 0.90 | 0.01 | 0.89-0.92 |
| | Biological - 2 | 0.66 | 0.00 | 0.65-0.67 | 0.77 | 0.01 | 0.76-0.78 |
| | Biological - 3 | 0.67 | 0.01 | 0.65-0.68 | 0.78 | 0.01 | 0.76-0.79 |
| | Biological - 4 | 0.74 | 0.01 | 0.72-0.75 | 0.84 | 0.01 | 0.82-0.86 |
| | Biological - 5 | 0.80 | 0.01 | 0.78-0.83 | 0.88 | 0.01 | 0.85-0.91 |
| | Biological - 6 | 0.83 | 0.02 | 0.79-0.87 | 0.89 | 0.02 | 0.85-0.94 |
| | Biological - 7 | 0.96 | 0.03 | 0.89-1.02 | 1.01 | 0.03 | 0.94-1.08 |
| | Biological - 8 | 0.98 | 0.05 | 0.89-1.09 | 0.99 | 0.05 | 0.89-1.09 |
| | Adoptive - 1 | 0.74 | 0.02 | 0.71-0.78 | 0.61 | 0.04 | 0.53-0.70 |
| | Adoptive - 2 | 0.52 | 0.03 | 0.47-0.57 | 0.48 | 0.04 | 0.41-0.56 |
| | Adoptive - 3 | 0.63 | 0.11 | 0.44-0.89 | 0.63 | 0.12 | 0.43-0.91 |
| | Adoptive - 4 | 1.45 | 0.48 | 0.75-2.78 | 1.47 | 0.50 | 0.75-2.88 |

Table S4. Results: Cause-specific Mortality for Swedish Men, Born 1915 to 1960. Model 1 adjusts for birth cohort. Model 2 adjusts for birth cohort, educational attainment, adult socioeconomic status, and origin of adopted children.

| Cause-of-death | Parity | Model 1 | | Cause-of-death | Model 2 | |
|------------------------------------|----------------|---------|------|----------------|---------|----------------|
| | | RR | SE | | RR | SE |
| Neoplasms | Childless | 1.00 | | | 1.00 | |
| | Biological - 1 | 0.98 | 0.01 | 0.97-0.99 | 1.21 | 0.01 1.19-1.22 |
| | Biological - 2 | 0.89 | 0.01 | 0.88-0.90 | 1.14 | 0.01 1.12-1.15 |
| | Biological - 3 | 0.90 | 0.01 | 0.88-0.91 | 1.14 | 0.01 1.13-1.16 |
| | Biological - 4 | 0.94 | 0.01 | 0.93-0.96 | 1.17 | 0.01 1.15-1.19 |
| | Biological - 5 | 1.01 | 0.01 | 0.99-1.04 | 1.23 | 0.02 1.19-1.26 |
| | Biological - 6 | 1.00 | 0.02 | 0.96-1.05 | 1.19 | 0.03 1.14-1.24 |
| | Biological - 7 | 1.03 | 0.04 | 0.96-1.10 | 1.19 | 0.04 1.11-1.27 |
| | Biological - 8 | 1.01 | 0.05 | 0.91-1.12 | 1.12 | 0.06 1.01-1.24 |
| | Adoptive - 1 | 0.85 | 0.02 | 0.81-0.88 | 0.84 | 0.04 0.77-0.92 |
| | Adoptive - 2 | 0.72 | 0.03 | 0.67-0.77 | 0.79 | 0.04 0.72-0.88 |
| | Adoptive - 3 | 0.50 | 0.08 | 0.37-0.69 | 0.55 | 0.09 0.40-0.75 |
| | Adoptive - 4 | 0.95 | 0.26 | 0.55-1.63 | 1.07 | 0.30 0.62-1.86 |
| Diseases of the circulatory system | Childless | 1.00 | | | 1.00 | |
| | Biological - 1 | 0.77 | 0.00 | 0.76-0.78 | 0.98 | 0.01 0.97-0.99 |
| | Biological - 2 | 0.66 | 0.00 | 0.65-0.66 | 0.89 | 0.00 0.88-0.90 |
| | Biological - 3 | 0.68 | 0.00 | 0.67-0.68 | 0.91 | 0.00 0.90-0.92 |
| | Biological - 4 | 0.76 | 0.01 | 0.74-0.77 | 0.97 | 0.01 0.96-0.99 |
| | Biological - 5 | 0.83 | 0.01 | 0.82-0.85 | 1.04 | 0.01 1.02-1.06 |
| | Biological - 6 | 0.89 | 0.01 | 0.86-0.92 | 1.08 | 0.02 1.05-1.12 |
| | Biological - 7 | 0.94 | 0.02 | 0.90-0.99 | 1.11 | 0.03 1.05-1.16 |
| | Biological - 8 | 0.92 | 0.04 | 0.86-0.99 | 1.03 | 0.04 0.96-1.11 |
| | Adoptive - 1 | 0.67 | 0.01 | 0.65-0.70 | 0.68 | 0.03 0.62-0.74 |
| | Adoptive - 2 | 0.48 | 0.02 | 0.45-0.51 | 0.54 | 0.03 0.49-0.59 |
| | Adoptive - 3 | 0.45 | 0.06 | 0.35-0.58 | 0.48 | 0.07 0.37-0.63 |
| | Adoptive - 4 | 0.67 | 0.17 | 0.41-1.12 | 0.69 | 0.18 0.41-1.15 |
| External causes | Childless | 1.00 | | | 1.00 | |
| | Biological - 1 | 0.66 | 0.01 | 0.64-0.68 | 0.90 | 0.01 0.88-0.93 |
| | Biological - 2 | 0.52 | 0.01 | 0.50-0.53 | 0.77 | 0.01 0.75-0.79 |
| | Biological - 3 | 0.55 | 0.01 | 0.53-0.56 | 0.80 | 0.01 0.78-0.82 |
| | Biological - 4 | 0.65 | 0.01 | 0.62-0.67 | 0.90 | 0.02 0.87-0.94 |
| | Biological - 5 | 0.72 | 0.02 | 0.68-0.77 | 0.96 | 0.03 0.90-1.02 |
| | Biological - 6 | 0.70 | 0.04 | 0.64-0.78 | 0.90 | 0.05 0.82-1.00 |
| | Biological - 7 | 0.77 | 0.06 | 0.66-0.89 | 0.93 | 0.07 0.80-1.09 |
| | Biological - 8 | 0.77 | 0.09 | 0.61-0.97 | 0.87 | 0.11 0.69-1.11 |
| | Adoptive - 1 | 0.48 | 0.03 | 0.43-0.53 | 0.47 | 0.05 0.37-0.58 |
| | Adoptive - 2 | 0.31 | 0.03 | 0.26-0.38 | 0.40 | 0.05 0.31-0.51 |
| | Adoptive - 3 | 0.22 | 0.09 | 0.10-0.49 | 0.30 | 0.12 0.13-0.67 |
| | Adoptive - 4 | 0.65 | 0.38 | 0.21-2.03 | 0.94 | 0.55 0.30-2.95 |
| All other causes | Childless | 1.00 | | | 1.00 | |
| | Biological - 1 | 0.69 | 0.01 | 0.68-0.70 | 0.88 | 0.01 0.87-0.89 |
| | Biological - 2 | 0.55 | 0.00 | 0.54-0.56 | 0.74 | 0.01 0.73-0.75 |
| | Biological - 3 | 0.57 | 0.00 | 0.56-0.58 | 0.76 | 0.01 0.75-0.78 |
| | Biological - 4 | 0.63 | 0.01 | 0.61-0.64 | 0.81 | 0.01 0.79-0.83 |
| | Biological - 5 | 0.69 | 0.01 | 0.67-0.71 | 0.86 | 0.01 0.84-0.89 |
| | Biological - 6 | 0.77 | 0.02 | 0.74-0.81 | 0.94 | 0.02 0.90-0.99 |
| | Biological - 7 | 0.80 | 0.03 | 0.74-0.86 | 0.94 | 0.04 0.88-1.02 |
| | Biological - 8 | 0.80 | 0.05 | 0.71-0.89 | 0.91 | 0.05 0.81-1.02 |
| | Adoptive - 1 | 0.55 | 0.01 | 0.52-0.57 | 0.52 | 0.03 0.46-0.59 |
| | Adoptive - 2 | 0.40 | 0.02 | 0.37-0.44 | 0.45 | 0.03 0.39-0.51 |
| | Adoptive - 3 | 0.51 | 0.08 | 0.37-0.70 | 0.58 | 0.10 0.42-0.81 |
| | Adoptive - 4 | 0.31 | 0.15 | 0.12-0.83 | 0.36 | 0.18 0.13-0.97 |

