

Maternal Health and the Baby Boom

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Supplementary Data Appendix

This extended appendix contains information on variable definitions, detailed data sources and data issues for each set of variables used in the empirical analysis. In addition, each section describes the corresponding data files, which are made available in Stata (.dta) format.

Index

Section 1: State Data, 1940-1960

Section 2: State Mortality by Cause Data, 1900 – 1960

Section 3: State Birth and Mortality Data, 1915 – 1998

1. State Data, 1940 – 2000: Variable definitions and data sources

The files `albanesiolivetti_fertilitydata.dta` and `albanesiolivetti_educationdata.dta` contain the panels of annual state-level data on fertility and education variables for whites by states for the years 1940 – 2000. The file `albanesiolivetti_controls.dta` contains the control economic and demographic variables, and the file `albanesiolivetti_invariant.dta` contains the invariant characteristics relative to political and cultural aspects, by state.

Variables

Demographic variables

STATEFIP	State (FIPS code)	CODE	1850 – 2000
PERWT	Person weight	NUMBER	1850 – 2000
AGE	Age	NUMBER	1850 – 2000
SEX	Sex	BINARY	1850 – 2000
MARST	Marital status	CODE	1880 – 2000
RACED	Race [detailed version]	CODE	1850 – 2000
EDUCREC	Educational attainment recode	CODE	1940 – 2000
HIGRADED	Highest grade of schooling [detailed version]	NUMBER	1940 – 1980
ELDCH	Age of eldest own child in household	NUMBER	1850 – 2000
YNGCH	Age of youngest own child in household	NUMBER	1850 – 2000

Fertility variables

CHBORN	Children ever born	NUMBER	1900 – 1910, 1940 – 1990
NCHILD	Number of own children in the household	NUMBER	1850 – 2000
NCHLT5	Number of own children under age 5 in household	NUMBER	1850 – 2000

Indicator variables

edu_higr13	Equals 1 if educational attainment is at least 1st year of college (if IPUMS variable 'higraded' \geq 160). Equals 0 if not, and is set to " " if missing.	BINARY	1940 – 1980
edu_higr16	Equals 1 if educational attainment is at least 4th year of college (if IPUMS variable 'higraded' \geq 190). Equals 0 if not, and is set to " " if missing.	BINARY	1940 – 1980
highschool	Equals 1 if high school degree (if IPUMS variable educrec=7, which corresponds to grade 12 being the highest grade attained)	BINARY	1940 – 2000
college	Equals 1 if college (if IPUMS variable educrec=9, which corresponds to 4+ years of college)	BINARY	1940 – 2000
married	Equals 1 if married, with spouse present or absent (if IPUMS variable marst is either 1 or 2)	BINARY	1880 – 2000
child_m	Equals 1 if married with children (if married=1, and IPUMS variable nchild \geq 1)	BINARY	1880 – 2000
chborn0	Equals 1 if chborn=0	BINARY	1940-2000
nchild0	Equals 1 if nchild=0	BINARY	1940-2000

Note:

The suffixes “_35-44” and “_23-32” indicate that the statistic is computed over the 35-44 and 23-32 age groups respectively.

Controls: Variable Definitions

Economic and Demographic Controls

The variable included in the regression is the average value of the control at age 15-20 for each cohort.

real_incwage	state level personal per capita disposable income	NUMBER	1940 – 1970
real_w_wage_ft	female full-time real wage	NUMBER	1940 – 1970
real_m_wage_ft	female full-time real wage	NUMBER	1940 – 1970
unemp	unemployment	RATE	1930 – 1970
white	share of white population	RATE	1930 – 1970
foreign	share of foreign born	RATE	1940 – 1970
hs	share of population with high school education	RATE	1940 – 1970
farmp	share of population living on a farm	RATE	1930 – 1970
public	share of employment in the public sector	RATE	1930 – 1970
health	share of employment in the health sector	RATE	1930 – 1970
agr		RATE	1940 – 1970
textile		RATE	1940 – 1970
south	this variable comes from the corresponding census region	BINARY	

Political and Cultural Controls

literacy	Literacy rate in 1930	RATE	
year_state	Year admitted as state	YEAR	
womens_suffrage_year	Start of women's suffrage	YEAR	
legislature	Legislature contrary to women's suffrage in 1920	BINARY	
ratification_xix	Date XIX Am. ratified	YEAR	
acceptance_xix	Date XIX Am. accepted	YEAR	

pill	Acces to pill (Bailey)	YEAR	
abortion_1970	Easy access to legal abortion in 1970 (Angrist & Evans)	YEAR	
early_abortion	Early access to abortion (Bailey)	YEAR	
SSA_payments	Federal payments to States for maternal and child-health services under the Social Security Act, title V, part 1	NUMBER	Fiscal year 1936 (Feb. 1 - June 30); fiscal years 1937, 1938, 1939.
SSA_grants_total	Grants to States for Maternal and Child Welfare Under the Social Security Act. Title V. Parts 1., 2., and 3. Children's Bureau.	NUMBER	Apportionment of Funds for fiscal year 1941
SSA_grants_A	Fund A- \$20,000 to each State and apportionment of \$2,800,000 on basis of live births	NUMBER	Apportionment of Funds for fiscal year 1941.
SSA_grants_B	Fund B- Conditional apportionment on the basis of need	NUMBER	Apportionment of Funds for fiscal year 1941.
SSA_maternity_units	Maternity centers (prenatal and post-partum) supervised by State health agencies, by States	NUMBER	year ended June 30, 1939
SSA_child_units	Child-health-conference centers (infant and preschool) supervised by State health agencies, by States	NUMBER	year ended June 30, 1939
ST_granted_outright	Maximum annual amounts available to the states. Granted outright	NUMBER, \$THOUSANDS	fiscal years ending June 30 1921, and 1927
ST_granted_5000	Maximum annual amounts available to the states. \$5,000 to each if matched	NUMBER, \$THOUSANDS	fiscal years ending June 30 1921, and 1927
ST_granted_apportioned	Maximum annual amounts available to the states. Apportioned on basis of pop if matched	NUMBER, \$THOUSANDS	fiscal years ending June 30 1921, and 1927
ST_granted_totalmatched	Maximum annual amounts available to the states. Total (if matched)	NUMBER, \$THOUSANDS	fiscal years ending June 30 1921, and 1927
ST_granted_total	Maximum annual amounts available to the states. Total	NUMBER, \$THOUSANDS	fiscal years ending June 30 1921, and 1927
ST_percent	Maximum annual amounts available to the states. % Total	RATE	fiscal years ending June 30 1921, and 1927
ST_accepted	Amounts accepted by states for each year of appropriation	NUMBER	1922-1929
mob_rate	WWII mobilization rates	RATE	
home_appl	Home appliances		1790 – 2002

Data Sources

Demographic and fertility variables

Data from the US Census, through the IPUMS-USA database: Steven Ruggles, J. Trent Alexander, Katie Genadek, Ronald Goeken, Matthew B. Schroeder, and Matthew Sobek. *Integrated Public Use Microdata Series: Version 5.0* [Machine-readable database]. Minneapolis: University of Minnesota, 2010.

Economic and demographic controls

Data from the US Census, through the IPUMS-USA database: Steven Ruggles, J. Trent Alexander, Katie Genadek, Ronald Goeken, Matthew B. Schroeder, and Matthew Sobek. *Integrated Public Use Microdata Series: Version 5.0* [Machine-readable database]. Minneapolis: University of Minnesota, 2010.

The variable south comes from the corresponding census region:

http://www.census.gov/geo/www/us_regdiv.pdf

Acceptance of women's suffrage

-Date of introduction of women's suffrage: John R. Lott, Jr, and Lawrence W. Kenney, Did Women's Suffrage Change the Size and Scope of Government?, *The Journal of Political Economy* 107(6): 1163-1198, 1999.

-Date of ratification of XIX Amendment: Mount, Steve. "Ratification of Constitutional Amendments". <http://www.usconstitution.net/constamrat.html>. Retrieved February 24 2007.

Access to the "pill" and abortion

Bailey, Martha. 2006. More Power to the Pill. *The Quarterly Journal of Economics*.

Angrist, Joshua D., and William N. Evans. 1999. Schooling and Labor Market Consequences of the 1970 State Abortion Reforms. *Research in Labor Economics* XVIII: 75-113.

Federal Programs for the Promotion of Maternal and Infant Health

- Maternity and Infancy Care (Sheppard-Towner) Act: Appropriations, Payments to the States, Activities carried out under the Act by the States, fiscal years 1921-1929: Children's Bureau Publication N. 203 (1931).
- Promotion of the Welfare and Hygiene of Maternity and Infancy: Text of Act of November 23, 1921 and Maximum Amounts Available to the States: Children's Bureau, Bureau Publication No. 95, Washington Government Printing Office (1921)
- 1935 Social Security Act, Title V, Part 1 Appropriations, Payments to the States, Activities carried out under the Act by the States fiscal years 1936-1939: Children's Bureau Publication N. 259 (1941).
- Maternal and Child-Health Services Under the Social Security Act, Title V, Part 1 - Development of Program, 1936-39. Table 1. - Federal payments to States for maternal and child-health services under the Social Security Act, title V, part 1, for the fiscal years ended June 30, 1936, 1937, 1938, and 1939
- Grants to States for Maternal and Child Welfare Under the Social Security Act. Title V. Parts 1., 2., and 3. Children's Bureau Publication No. 253, Maternal and Child Welfare Bulletin No. 1, Revised. Link = <http://www.archive.org/details/grantstostatesfo00unit>

State level mobilization rate

Acemoglu, Daron, David Autor and David Lyle. 2004. Women, War and Wages: The Effect of Female Labor Supply on the Wage Structure at Mid century. *Journal of Political Economy* 112(3): 497-551.

Home Appliances

Haines, Michael R., and the Inter-university Consortium for Political and Social Research. 2004. Historical, Demographic, Economic, and Social Data: The United States, 1790-2002 [Computer file]. ICPSR02896-v2. Hamilton, NY: Colgate University/Ann Arbor: MI: Inter-university Consortium for Political and Social Research [producers]. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor].

Data Issues:

- Notes
- (1) About CHBORN. Universe:
- 1900-1910: Ever-married females, age 12+. Not available in Alaska in 1900.
 - 1910 Puerto Rico: Females, age 14+, regardless of marital status.
 - 1940-1950: Ever-married sample-line females, age 14+.
 - 1960: Ever-married females, age 14+.
 - 1970: Females, age 14+.
 - 1980: Females, age 15+.
 - 1990: Females, age 15+; not available for Puerto Rico.

- (2) About RACE and RACED. Universe
 1850-1960: All persons.
 1970-1990: All persons; not available for Puerto Rico.
 2000: All persons.

- (3) ELDCH. Universe
 1850-1930: All persons.
 1940-1960: Not persons in group quarters.
 1970-1990: Not persons in group quarters; not available for Puerto Rico.
 2000: Not persons in group quarters.

2. State Mortality by Cause Data, 1900 – 1960

The file `albanesiolivetti_mortality_by_cause_all_data.dta` contains the unbalanced panel of annual state-level data on mortality for selected causes, and aggregate mortality rates by gender, in registration states for the years 1900 – 1960.

Causes of death: malaria, tuberculosis, scarlet fever, influenza, pneumonia, all males, all females, all.

Variables Definitions

Each state by year observation contains the following variables for the following years:

Deaths by Cause Variables

scarlet_fever	Aggregate Number of Deaths due to scarlet fever	NUMBER	1900-1935
influenza	Aggregate Number of Deaths from Influenza	NUMBER	1900-1935
pneumonia	Aggregate Number of Deaths from Pneumonia	NUMBER	1900-1935
all_tb	Aggregate Number of Deaths from Tuberculosis	NUMBER	1900-1935
malaria	Aggregate Number of Deaths due to malaria	NUMBER	1900-1935
childbirth_puerperal	Aggregate Number of Puerperal Deaths	NUMBER	1900-1935
mort_male_all	Aggregate Number of Male Deaths	NUMBER	1900-1912; 1914-1936; 1938-1959
mort_female_all	Aggregate Number of Female Deaths	NUMBER	1900-1912; 1914-1936; 1938-1959
mort_total	Aggregate number of deaths	NUMBER	1900-1936; 1938-1959

Data Sources

All of the cited documents and tables are located at the following URL:

<http://www.cdc.gov/nchs/products/vsus.htm#historical>

1900-1936: Miller (2008), full description at: <http://www.stanford.edu/~ngmiller/>

1937: Vital Statistics in the United States, 1937, Part II, Table 19

1938: Vital Statistics in the United States 1938, Part II, Table 10

1939: Vital Statistics in the United States 1939, Part II, Table 10

1940: Vital Statistics in the United States 1940, Part II, Table 10

1941: Vital Statistics in the United States 194, Part II, Tables 13, 11

1942: Vital Statistics in the United States 1942, Part II, Table 22
 1943: Vital Statistics in the United States 1943, Part II, Tables 21, 22
 1944: Vital Statistics in the United States 1944, Part II, Tables 19, 20, 21
 1945: Vital Statistics in the United States 1945, Part II, Tables 17, 19
 1946: Vital Statistics in the United States 194, Part II, Tables 17, 20
 1947: Vital Statistics in the United States 1947, Part II, Tables 17, 21
 1948: Vital Statistics in the United States 1948, Part II, Tables 17, 21
 1949: Vital Statistics in the United States 1949, Part II, Tables 17, 21
 1950: Vital Statistics in the United States 1950, Part III, Tables 46, 54, 56
 1951: Vital Statistics in the United States 1951, Part II, Tables 49, 55, 57
 1952: Vital Statistics in the United States 1952, Part II, Tables 44, 51, 52
 1953: Vital Statistics in the United States 1953, Part II, Tables 45, 52, 53
 1954: Vital Statistics in the United States 1954, Part II, Tables 44, 51, 52
 1955: Vital Statistics in the United States 1955, Part II, Tables 47, 54, 55
 1956: Vital Statistics in the United States 1956, Part II, Tables 56, 63, 64
 1957: Vital Statistics in the United States 1957, Part II, Tables 12, 65, 66
 1958: Vital Statistics in the United States 1958, Part II, Tables 65, 72, 81
 1958: Vital Statistics in the United States 1958, Part II, Tables 62, 70, 77

Data Issues:

- Availability by rate and number and reconversion using overall population
- Missing data: (list by year)
 - 1925 – 1927, Georgia
 - 1910 – 1929, South Dakota

3. State Birth and Mortality Data, 1915 – 1998

The file `albanesiolivetti_mortalitydata.dta` contains the unbalanced panel of annual state-level data on birth and mortality in registration states by race for the years 1915 – 1998.

Variable Definitions

Each state by year observation contains the following variables for the following years:

Maternal Mortality Variables

<code>matmort</code>	Aggregate Number of Maternal Deaths Per 10,000 Live Births	RATE	1919 – 1965; 1967 – 1975; 1979 – 1998
<code>matmort_white</code>	Aggregate Number of Maternal Deaths (White) Per 10,000 Live Births	RATE	1919 – 1965; 1967 – 1975; 1979 – 1998
<code>matmort_nonwhite</code>	Aggregate Number of Maternal Deaths (Non-White) Per 10,000 Live Births	RATE	1919 – 1965; 1967 – 1975
<code>marmort_black</code>	Aggregate Number of Maternal Deaths (Black) Per 10,000 Live Births	RATE	1979 – 1998
<code>matmort_other</code>	Aggregate Number of Maternal Deaths (Other than Black or White) Per 10,000 Live Births	RATE	1979 – 1998
<code>matdeath</code>	Aggregate Number of Maternal Deaths	NUMBER	1925; 1961 – 1965; 1967 – 1975; 1979 – 1998
<code>matdeath_white</code>	Aggregate Number of Maternal Deaths (White)	NUMBER	1925; 1961 – 1975; 1979 – 1998

matdeath_nonwhite	Aggregate Number of Maternal Deaths (Non-White)	NUMBER	1925; 1961 – 1965; 1967 – 1975; 1979 – 1998
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Infant Mortality Variables

infmort	Aggregate Number of Infant Deaths Per 10,000 Births	RATE	1915; 1917 – 1975
infmort_white	Aggregate Number of Infant Deaths (White) Per 10,000 Births	RATE	1915; 1925 – 1975; 1979 – 1998
infmort_nonwhite	Aggregate Number of Infant Deaths (Non-White) Per 10,000 Births	RATE	1915; 1925 – 1975
infmort_black	Aggregate Number of Infant Deaths (Black) Per 10,000 Births	RATE	1979 – 1998
infmort_other	Aggregate Number of Infant Deaths (Other than Black or White) Per 10,000 Births	RATE	1979 – 1998
fetdeath_agg	Aggregate Number of Fetal Deaths	NUMBER	1960 – 1964; 1966 – 1975; 1979 – 1998
fetdeath_agg_white	Aggregate Number of Fetal Deaths (White)	NUMBER	1979 – 1998
fetdeath_agg_nonwhite	Aggregate Number of Fetal Deaths (Non-White)	NUMBER	1979 – 1998
fetdeathrate_agg	Aggregate Number of Fetal Deaths Per 10,000 Births	RATE	1960 – 1964; 1966 – 1975
neonataldeath_agg	Aggregate Number of Neonatal Deaths (<1 Month Old) Per 10,000 Births	RATE	1931 – 1936; 1940 – 1975
neonataldeath_white	Aggregate Number of Neonatal Deaths (<1 Month Old) Per 10,000 Births (White)	RATE	1931 – 1936; 1940 – 1975
neonataldeath_nonwhite	Aggregate Number of Neonatal Deaths (<1 Month Old) Per 10,000 Births (Non-White)	RATE	1931 – 1936; 1940 – 1975

Other (Misc.) Variables

totalpop_agg	Total Aggregate Population	NUMBER	1915 – 1998
totalpop_white	Total Population (White)	NUMBER	1915; 1917; 1920 – 1940; 1950; 1960; 1970 – 1998
totalpop_nonwhite	Total Population (Non-White)	NUMBER	1915; 1917; 1920 – 1940; 1950; 1960; 1970 – 1998
livebirths	Total Aggregate Live Births	NUMBER	1915; 1917 – 1919; 1931 – 1975; 1979 – 1998
livebirths_white	Aggregate Live Births (White)	NUMBER	1915; 1917; 1931 – 1975; 1979 – 1998
livebirths_nonwhite	Aggregate Live Births (Non-White)	NUMBER	1915; 1917; 1925; 1931 – 1957; 1959 – 1975; 1979 – 1998
crudebirth_agg	Aggregate Crude Birth Rate Per 1,000 Population	RATE	1915; 1917 – 1919; 1925 – 1998
crudebirth_white	Aggregate Crude Birth Rate Per 1,000 Population (White)	RATE	1915; 1917; 1931 – 1940; 1950; 1960; 1970 – 1998
crudebirth_nonwhite	Aggregate Crude Birth Rate Per 1,000 Population (Non-White)	RATE	1915; 1917; 1931 – 1940; 1950; 1960; 1970; 1971 – 1998

Data Sources

All of the cited documents and tables are located at the following URL:

<http://www.cdc.gov/nchs/products/vsus.htm#historical>

Maternal Mortality

Death Rates

1919 - 1924: Mortality Statistics 1924: Table BH: "Death Rate From Puerperal Causes per 1,000 Live Births"

1925 - 1940: Vital Statistics in the United States, 1900-1940, Table 37: "Maternal Mortality Rates by Race and Population-size Groups"

1940 - 1960: Vital Statistics in the United States, 1940-1960, Table 47: "Maternal Mortality Rates by Color"

Number of Deaths from Complications of Pregnancy

1961: Vital Statistics in the United States, 1961, Volume II, Part A, Table 5-8: "Deaths from 255 Selected Causes, by Color and Sex"

1962: Vital Statistics in the United States, 1962, Volume II, Part A, Table 1-24: "Deaths from 258 Selected Causes, by Color and Sex"

1963: Vital Statistics in the United States, 1963, Volume II, Part B, Table 7-5: "Deaths from 60 Selected Causes, by Color and Sex"

1964: Vital Statistics in the United States, 1964, Volume II, Part B, Table 7-6: "Deaths from 60 Selected Causes, by Age, Color and Sex"

1965: Vital Statistics in the United States, 1965, Volume II, Part B, Table 7-6: "Deaths from 60 Selected Causes, by Age, Color, and Sex"

1967: Vital Statistics in the United States, 1967, Volume II, Part B, Table 7-6: "Deaths from 60 Selected Causes, by Age, Color, and Sex"

1968: Vital Statistics in the United States, 1968, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1969: Vital Statistics in the United States, 1969, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1970: Vital Statistics in the United States, 1970, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1971: Vital Statistics in the United States, 1971, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1972: Vital Statistics in the United States, 1972, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1973: Vital Statistics in the United States, 1973, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1974: Vital Statistics in the United States, 1974, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

1975: Vital Statistics in the United States, 1975, Volume II, Part B, Table 7-6: "Deaths from 69 Selected Causes, by Age, Color, and Sex"

Live Births

1931: Birth, Stillbirth, and Infant Mortality Statistics, 1931, Table 2: "Births (Exclusive of Stillbirths), By Sex and Color"

1932: Birth, Stillbirth, and Infant Mortality Statistics, 1932, Table 2: "Births (Exclusive of Stillbirths), By Sex and Color"

1933: Birth, Stillbirth, and Infant Mortality Statistics, 1933, Table 2: "Births (Exclusive of Stillbirths), By Sex and Color"

1934: Birth, Stillbirth, and Infant Mortality Statistics, 1934, Table 2: "Births (Exclusive of Stillbirths), By Sex and Color"

1935: Birth, Stillbirth, and Infant Mortality Statistics, 1935, Table 2: "Births (Exclusive of Stillbirths), By Sex and Color"

1936: Birth, Stillbirth, and Infant Mortality Statistics, 1936, Table 2: "Births (Exclusive of Stillbirths), By Sex and Color"

1937: Vital Statistics in the United States, 1937, Table 1: "Crude Death Rates: Death-Registration States and Each State, 1900-1940"

1938: Vital Statistics in the United States, 1938, Table 1: "Crude Death Rates: Death-Registration States and Each State, 1900-1940"

1939: Vital Statistics in the United States, 1939, Table 3: "Specific Death Rates by Race and Sex"

1940: Vital Statistics in the United States, 1940, Table 3: "Specific Death Rates by Race and Sex"

1941: Vital Statistics in the United States, 1941, Part I, Table 3: "Cases of Plural Births Classified by Number of Children Born Alive and Stillborn"

1942: Vital Statistics in the United States, 1942, Part II, Table 9: "Live Births by Month, Sex, and Race"

1943: Vital Statistics in the United States, 1943, Part II, Table 9: "Live Births by Month, Sex, and Race"

1944: Vital Statistics in the United States, 1944, Part II, Table 5: "Live Births by Race, Birth Order, and Age of Mother"

1945: Vital Statistics in the United States, 1945, Part II, Table 6: "Live Births by Race, Sex, and Age of Father"

1946: Vital Statistics in the United States, 1946, Part II, Table 4: "Live Births by Sex, Race, and Month"

1947: Vital Statistics in the United States, 1947, Part II, Table 3: "Live Births by Sex, Race, and Month"

1948: Vital Statistics in the United States, 1948, Part II, Table 3: "Live Births by Sex, Race, and Month"

1949: Vital Statistics in the United States, 1949, Part II, Table 9: "Live Births by Person in Attendance, Race, and Population-Size Group"

1950: Vital Statistics in the United States, 1950, Volume II, Table 17: "Live Births by Month, Race, and Sex"

1951: Vital Statistics in the United States, 1951, Volume I, Table 21: "Live Births by Month, Race, and Sex"

1952: Vital Statistics in the United States, 1952, Volume I, Table 21: "Live Births by Month, Race, and Sex"

1953: Vital Statistics in the United States, 1953, Volume I, Table 21: "Live Births by Month, Race, and Sex"

1954: Vital Statistics in the United States, 1954, Volume I, Table 21: "Live Births by Month, Race, and Sex"

1955: Vital Statistics in the United States, 1955, Volume I, Table 30: "Live Births by Birth Weight and Color for the United States and Each State; and by Sex for the United States"

1956: Vital Statistics in the United States, 1956, Volume I, Table 34: "Live Births by Birth Weight and Color"

1957: Vital Statistics in the United States, 1957, Volume I, Table 33: "Live Births by Total-Birth Order and Color"

1959: Vital Statistics in the United States, 1959, Volume I, Table 31: "Live Births by Plurality of Birth and Color"

1960: Vital Statistics in the United States, 1960, Volume I, Table 2-8: "Live Births by Birth Weight and Color"

1961: Vital Statistics in the United States, 1961, Volume I, Table 2-8: "Live Births by Birth Weight and Color"

1962: Vital Statistics in the United States, 1962, Volume I, Table 1-36: "Live Births by Birth Weight and Color"

1963: Vital Statistics in the United States, 1963, Volume I, Table 1-41: "Live Births by Birth Weight and Color"

1964: Vital Statistics in the United States, 1964, Volume I, Table 1-41: "Live Births by Birth Weight and Color"

1965: Vital Statistics in the United States, 1965, Volume I, Table 1-41: "Live Births by Birth Weight and Color"

1966: Vital Statistics in the United States, 1966, Volume I, Table 2-1: "Live Births by Place of Delivery and Color"

1967: Vital Statistics in the United States, 1967, Volume I, Table 1-42: "Live Births by Birth Weight and Color"

1968: Vital Statistics in the United States, 1968, Volume I, Table 1-42: "Live Births by Birth Weight and Color"

1969: Vital Statistics in the United States, 1969, Volume I, Table 1-72: "Live Births by Period of Gestation and Race"

1970: Vital Statistics in the United States, 1970, Volume I, Table 1-73: "Live Births by Birth Weight and Race"

1971: Vital Statistics in the United States, 1971, Volume I, Table 2-1: "Live Births by Attendant and Place of Delivery and Race"

1972: Vital Statistics in the United States, 1972, Volume I, Table 2-1: "Live Births by Attendant and Place of Delivery and Race"

1973: Vital Statistics in the United States, 1973, Volume I, Table 2-1: "Live Births by Attendant and Place of Delivery and Race"

1974: Vital Statistics in the United States, 1974, Volume I, Table 2-1: "Live Births by Attendant and Place of Delivery and Race"

1975: Vital Statistics in the United States, 1975, Volume I, Table 2-1: "Live Births by Attendant and Place of Delivery and Race"

Infant Mortality

Death Rates

1920: Mortality Statistics, 1923, Table BZ: "Deaths of Infants Under 1 Year of Age per 1,000 Live Births"

1921-1924: Mortality Statistics, 1924, Table CC: "Deaths of Infants Under 1 Year of Age per 1,000 Live Births"

1925 - 1940: Vital Statistics in the United States, 1900-1940, Table 28: "Infant Mortality Rates by Race and Population-Size Groups"

1941 - 1960: Vital Statistics in the United States, 1940-1960, Table 41: "Infant Mortality Rates by Age and Color"

1961: Vital Statistics in the United States, 1961, Volume II, Table 3-E: "Infant Mortality Rates by Color"

1962-1966: Vital Statistics in the United States, 1966, Volume II, Table 2-6: "Infant Mortality Rates by Color"

1967-1971: Vital Statistics in the United States, 1971, Volume II, Table 2-6: "Infant Mortality Rates by Color"

1972-1975: Vital Statistics in the United States, 1975, Volume II, Part A, Table 2-6: "Infant Mortality Rates by Color"

Stillbirth Ratios

1925 - 1940: Vital Statistics in the United States, 1900-1940, Table 42: "Stillbirth Ratios by Race"

1942 - 1960: Vital Statistics in the United States, 1940-1960, Table 37: "Fetal Mortality Ratios by Color"

1961 - 1963: Vital Statistics in the United States, 1963, Volume II, Part A, Table 3-7: "Fetal Death Ratios by Color"

1964 - 1968: Vital Statistics in the United States, 1968, Volume II, Part A, Table 3-7: "Fetal-Death Ratios by Color"

1969 - 1973: Vital Statistics in the United States, 1973, Volume II, Part A, Table 3-7: "Fetal-Death Ratios by Color"

1974 - 1975: Vital Statistics in the United States, 1975, Volume II, Part A, Table 3-7: "Fetal-Death Ratios by Color"

1960: Vital Statistics in the United States, 1960, Volume II, Part A, Table 4-A: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1961: Vital Statistics in the United States, 1961, Volume II, Part A, Table 4-A: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1962: Vital Statistics in the United States, 1962, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1963: Vital Statistics in the United States, 1963, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1964: Vital Statistics in the United States, 1964, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1966: Vital Statistics in the United States, 1966, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1967: Vital Statistics in the United States, 1967, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1968: Vital Statistics in the United States, 1968, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1969: Vital Statistics in the United States, 1969, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1970: Vital Statistics in the United States, 1970, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1971: Vital Statistics in the United States, 1971, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1972: Vital Statistics in the United States, 1972, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1973: Vital Statistics in the United States, 1973, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1974: Vital Statistics in the United States, 1974, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

1975: Vital Statistics in the United States, 1975, Volume II, Part A, Table 3-1: "Minimum Period of Gestation for Which Fetal Death Registration is Required and Fetal Deaths by Period of Gestation"

Stillbirth Reporting Requirements

1931: Birth, Stillbirth, and Infant Mortality Statistics, 1931, Stillbirth Statistics, Table S

1932: Birth, Stillbirth, and Infant Mortality Statistics, 1932, Stillbirth Statistics, Table S

1933: Birth, Stillbirth, and Infant Mortality Statistics, 1933, Stillbirth Statistics, Table S

1934: Birth, Stillbirth, and Infant Mortality Statistics, 1934, Stillbirth Statistics, Table S

1935: Birth, Stillbirth, and Infant Mortality Statistics, 1935, Stillbirth Statistics, Table S

1936: Birth, Stillbirth, and Infant Mortality Statistics, 1936, Stillbirth Statistics, Table Q

Neonatal Deaths

1931: Birth, Stillbirth, and Infant Mortality Statistics, 1931, Table 21: "Deaths (Exclusive of Stillbirths) from Important Causes, by Certain Subdivisions of the First Year of Life"

1932: Birth, Stillbirth, and Infant Mortality Statistics, 1932, Table 21: “Deaths (Exclusive of Stillbirths) from Important Causes, by Certain Subdivisions of the First Year of Life”
1933: Birth, Stillbirth, and Infant Mortality Statistics, 1933, Table 21: “Deaths from Important Causes, by Certain Subdivisions of the First Year of Life”
1934: Birth, Stillbirth, and Infant Mortality Statistics, 1934, Table 21: “Deaths from Important Causes by Certain Subdivisions of the First Year of Life”
1935: Birth, Stillbirth, and Infant Mortality Statistics, 1935, Table 21: “Deaths from Important Causes, by Certain Subdivisions of the First Year of Life”
1936: Birth, Stillbirth, and Infant Mortality Statistics, 1936, Table 21: “Deaths (Exclusive of Stillbirths) from Important Causes, by Certain Subdivisions of the First Year of Life”
1940-1960: Vital Statistics in the United States, 1940-1960, Table 41: “Infant Mortality Rates for Selected Causes”

Neonatal Deaths Less Than 1 Week (Post-1960)

1963: Vital Statistics in the United States, 1963, Volume II, Part A, Table 2-7: “Deaths Under 1 Year, by Age, Race, and Sex”
1964: Vital Statistics in the United States, 1964, Volume II, Part A, Table 2-7: “Deaths Under 1 Year, by Age, Race, and Sex”
1966: Vital Statistics in the United States, 1966, Volume II, Part A, Table 2-8: “Deaths Under 1 Year, by Age, Race, and Sex”
1967: Vital Statistics in the United States, 1967, Volume II, Part A, Table 2-8: “Deaths Under 1 Year, by Age, Race, and Sex”
1968: Vital Statistics in the United States, 1968, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1969: Vital Statistics in the United States, 1969, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1970: Vital Statistics in the United States, 1970, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1971: Vital Statistics in the United States, 1971, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1972: Vital Statistics in the United States, 1972, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1973: Vital Statistics in the United States, 1973, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1974: Vital Statistics in the United States, 1974, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”
1975: Vital Statistics in the United States, 1975, Volume II, Part A, Table 2-9: “Deaths Under 1 Year, by Age, Race, and Sex”

Neonatal Death Less Than 1 Month (Post-1960)

1961-1964: Vital Statistics in the United States, 1964, Volume II, Part A, Table 2-6: “Neonatal Mortality Rates by Color”
1965-1968: Vital Statistics in the United States, 1968, Volume II, Part A, Table 2-7: “Neonatal Mortality Rates by Color”
1969-1972: Vital Statistics in the United States, 1972, Volume II, Part A, Table 2-7: “Neonatal Mortality Rates by Color”
1973-1975: Vital Statistics in the United States, 1975, Volume II, Part A, Table 2-7: “Neonatal Mortality Rates by Color”

Total Live Births

1958: Vital Statistics of the United States, 1958. Volume I, Table 29: "Live Births by Month, Color, and Sex"

1975: Vital Statistics of the United States, 1975. Volume I: Table 1-56: "Live Births by Live-Order and Race, for Metropolitan and Non-metropolitan Counties"

1976: Vital Statistics of the United States, 1976. Volume I, Table 1-54: "Live Births by Age of Mother, Live-Birth Order, and Race"

1977: Vital Statistics of the United States, 1977. Volume I, Table 1-50: "Live Births by Month and State of Occurrence"

1978: Vital Statistics of the United States, 1978. Volume I, Table 1-53: "Live Births by Specified Race or National Origin and Sex"

Total Population

1925: Mortality Statistics, 1925, Part 1, Table 1 A: "Population, Deaths, and Death Rates per 1,000 Population, by Color, in Urban and Rural Districts"

1926: Mortality Statistics, 1926, Part 1, Table 1 A: "Population, Deaths, and Death Rates per 1,000 Population, by Color, in Urban and Rural Districts"

1927: Mortality Statistics, 1927, Part 1, Table I A: "Population, Deaths, and Death Rates per 1,000 Population, by Color, in Urban and Rural Districts"

1928: Mortality Statistics, 1929, Part 1, Table I A: "Population, Deaths, and Death Rates per 1,000 Population, by Color, in Urban and Rural Districts"

1929: Mortality Statistics, 1929: Table I A

1961: Vital Statistics of the United States, 1961. Volume I, Table 5-4: "Provisional Estimates of the Total Resident Population"

1962: Vital Statistics of the United States, 1962. Volume I, Table 4-5: "Provisional Estimates of the Total Resident Population"

1963: Vital Statistics of the United States, 1963. Volume I, Table 4-5: "Provisional Estimates of the Total Resident Population"

1964: Vital Statistics of the United States, 1964. Volume I, Table 4-4: "Provisional Estimates of the Total Resident Population"

1965: Vital Statistics of the United States, 1965. Volume I, Table 4-3: "Provisional Estimates of the Total Resident Population"

1966: Vital Statistics of the United States, 1966. Volume I, Table 4-4: "Revisited Estimates of the Total Resident Population of the United States, by Age, Color, and Sex"

1967: Vital Statistics of the United States, 1967. Volume I, Table 3-3: "Provisional Estimates of the Total Resident Population of the United States"

1968: Vital Statistics of the United States, 1968. Volume I, Table 3-3: "Provisional Estimates of the Total Resident Population of the United States"

1969: Vital Statistics of the United States, 1969. Volume I, Table 3-3: "Provisional Estimates of the Total Resident Population of the United States"

Crude Birth Rate

1925-1930: Vital Statistics of the United States, 1943. Part I, Table III: "Crude Birth Rates per 1,000 Population"

Data Issues:

- Since some of the RATE variables were created from various data sets, they could not strictly be added to the existing RATE variables, and therefore, there may be some overlaps and inconsistencies in those variables. For example, the **matmort** variable is split up into four maternal mortality variables by race. Since the data for maternal mortality rates for 1925-1975 included race variables different from those for the maternal mortality rates from 1979-1998, extra race variables needed to be created. Thus, we have in the final data set maternal mortality rates by the following races: white, black, non-white (which includes black), and other(which excludes white and black races). The same is true for the other RATE variables.
- We are missing data for the following variables for the following years:
 - matmort (1915-18, 1966, 1976-78)
 - matmort_white (1915-18, 1966, 1976-78)
 - matmort_nonwhite (1915-18, 1966, 1976-98)
 - marmort_black (1915-78)
 - matmort_other (1915-78)
 - matdeath (1915-24, 1926-60, 1966, 1976-78)
 - matdeath_white (1915-24, 1926-60, 1976-78)
 - matdeath_nonwhite (1915-24, 1926-60, 1966, 1976-78)

 - infmort (1916, 1976-98)
 - infmort_white (1916-24, 1976-78)
 - infmort_nonwhite (1916-24, 1976-98)
 - infmort_black (1915-78)
 - infmort_other (1915-78)
 - fetdeath_agg (1915-59, 1965, 1976-78)
 - fetdeath_agg_white (1915-78)
 - fetdeath_agg_nonwhite (1915-78)
 - fetdeathrate_agg (1915-59, 1965, 1976-98)
 - neonataldeath_agg (1915-30, 1937-39, 1976-98)
 - neonataldeath_white (1915-30, 1937-39, 1976-98)
 - neonataldeath_nonwhite (1915-30, 1937-39, 1976-98)

 - totalpop_agg (NONE)
 - totalpop_white (1916, 1918-19, 1941-49, 1951-59, 1961-69)
 - totalpop_nonwhite (1916, 1918-19, 1941-49, 1951-59, 1961-69)
 - livebirths (1916, 1920-30, 1976-78)
 - livebirths_white (1916, 1918-30, 1976-78)
 - livebirths_nonwhite (1916, 1918-24, 1926-30, 1958, 1976-78)
 - crudebirth_agg (1916, 1920-24)
 - crudebirth_white (1916, 1918-30, 1941-49, 1951-59, 1961-69)
 - crudebirth_nonwhite (1916, 1918-30, 1941-49, 1951-59, 1961-69)