

# The Fall in Global Fertility: A Quantitative Model

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## Online Appendix

Table 1: Change in fertility 1960-2015

Country	TFR 1960	TFR 2015	Change 1960-2015	% Change 1960-2015
World	4.98	2.45	2.53	103.25
Afghanistan	7.45	4.80	2.65	55.14
Albania	6.49	1.71	4.78	278.59
Algeria	7.52	2.84	4.69	165.02
Angola	7.48	5.77	1.71	29.69
Antigua and Barbuda	4.43	2.06	2.36	114.49
Argentina	3.11	2.31	0.80	34.71
Armenia	4.79	1.62	3.16	195.07
Aruba	4.82	1.80	3.02	167.63
Australia	3.45	1.83	1.62	88.38
Austria	2.69	1.47	1.22	82.99
Azerbaijan	5.88	1.97	3.91	198.38
Bahamas, The	4.50	1.78	2.72	152.81
Bahrain	7.09	2.06	5.03	244.70
Bangladesh	6.73	2.13	4.59	215.28
Barbados	4.33	1.80	2.54	141.26
Belarus	2.67	1.72	0.95	54.87
Belgium	2.54	1.74	0.80	45.98
Belize	6.50	2.54	3.96	155.50
Benin	6.28	5.05	1.23	24.45
Bhutan	6.67	2.09	4.58	219.75
Bolivia	6.70	2.92	3.78	129.37
Bosnia and Herzegovina	3.80	1.35	2.46	182.60
Botswana	6.62	2.77	3.84	138.46
Brazil	6.07	1.74	4.33	248.85
Brunei Darussalam	6.84	1.88	4.95	262.85
Bulgaria	2.31	1.53	0.78	50.98
Burkina Faso	6.29	5.44	0.86	15.73
Burundi	6.95	5.78	1.17	20.27
Cabo Verde	6.89	2.37	4.51	190.02
Cambodia	6.97	2.59	4.37	168.58
Cameroon	5.65	4.78	0.87	18.19

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Country	TFR 1960	TFR 2015	Change 1960-2015	% Change 1960-2015
Canada	3.81	1.60	2.21	138.19
Central African Republic	5.84	4.94	0.90	18.22
Chad	6.25	6.05	0.20	3.31
Channel Islands	2.42	1.47	0.95	64.47
Chile	5.10	1.79	3.32	185.83
China	5.75	1.62	4.13	255.47
Colombia	6.81	1.87	4.93	263.23
Comoros	6.79	4.42	2.37	53.67
Congo, Dem. Rep.	6.00	6.20	-0.20	-3.24
Congo, Rep.	5.88	4.72	1.16	24.55
Costa Rica	6.45	1.80	4.65	258.39
Cote d'Ivoire	7.69	4.98	2.72	54.56
Croatia	2.29	1.46	0.83	56.71
Cuba	4.18	1.72	2.46	143.14
Cyprus	3.50	1.35	2.15	159.26
Czech Republic	2.09	1.53	0.56	36.60
Denmark	2.57	1.69	0.88	52.07
Djibouti	6.46	2.91	3.55	121.80
Dominican Republic	7.56	2.45	5.10	208.24
Ecuador	6.72	2.51	4.21	167.34
Egypt, Arab Rep.	6.72	3.31	3.41	102.84
El Salvador	6.67	2.10	4.57	217.66
Equatorial Guinea	5.65	4.78	0.88	18.39
Eritrea	6.90	4.21	2.69	63.95
Estonia	1.98	1.54	0.44	28.57
Ethiopia	6.88	4.32	2.56	59.37
Fiji	6.46	2.54	3.92	154.27
Finland	2.72	1.71	1.01	59.06
France	2.85	2.01	0.84	41.79
French Polynesia	5.66	2.03	3.63	178.99
Gabon	4.38	3.85	0.53	13.87
Gambia, The	5.57	5.49	0.09	1.55
Georgia	2.94	2.00	0.94	46.88
Germany	2.37	1.50	0.87	58.00
Ghana	6.75	4.04	2.71	66.97
Greece	2.23	1.30	0.93	71.54
Grenada	6.74	2.13	4.62	217.17
Guam	6.05	2.37	3.69	155.68
Guatemala	6.90	3.03	3.87	127.67
Guinea	6.11	4.93	1.18	23.92
Guinea-Bissau	5.92	4.71	1.21	25.71
Guyana	6.37	2.53	3.84	151.46
Haiti	6.32	2.97	3.35	112.71
Honduras	7.46	2.51	4.95	197.49
Hong Kong SAR, China	5.01	1.20	3.82	319.58
Hungary	2.02	1.44	0.58	40.28
Iceland	4.29	1.93	2.36	122.28
India	5.91	2.35	3.55	151.11

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Country	TFR 1960	TFR 2015	Change 1960-2015	% Change 1960-2015
Indonesia	5.67	2.39	3.28	137.17
Iran, Islamic Rep.	6.93	1.69	5.24	310.85
Iraq	6.25	4.43	1.83	41.22
Ireland	3.78	1.94	1.84	94.85
Israel	3.87	3.09	0.78	25.11
Italy	2.37	1.37	1.00	72.99
Jamaica	5.42	2.03	3.39	167.47
Japan	2.00	1.46	0.54	37.05
Jordan	7.69	3.45	4.24	123.13
Kazakhstan	4.56	2.73	1.83	67.11
Kenya	7.95	3.92	4.03	102.86
Kiribati	6.79	3.69	3.10	83.81
Korea, Dem. People's Rep.	4.58	1.92	2.66	138.37
Korea, Rep.	6.10	1.24	4.86	391.93
Kuwait	7.24	1.99	5.26	264.75
Kyrgyz Republic	5.47	3.20	2.27	70.91
Lao PDR	5.96	2.76	3.20	116.13
Latvia	1.94	1.64	0.30	18.29
Lebanon	5.74	1.72	4.02	233.66
Lesotho	5.84	3.14	2.70	85.78
Liberia	6.41	4.65	1.76	37.76
Libya	7.20	2.31	4.89	211.51
Lithuania	2.56	1.63	0.93	57.06
Luxembourg	2.29	1.50	0.79	52.67
Macao SAR, China	4.77	1.28	3.49	272.81
Macedonia, FYR	3.84	1.52	2.32	152.10
Madagascar	7.30	4.24	3.06	72.13
Malawi	6.94	4.65	2.29	49.38
Malaysia	6.45	2.06	4.39	213.72
Maldives	7.02	2.13	4.89	229.32
Mali	6.97	6.15	0.82	13.38
Malta	3.62	1.42	2.20	154.93
Mauritania	6.78	4.74	2.04	43.05
Mauritius	6.17	1.36	4.81	353.46
Mexico	6.77	2.22	4.55	205.55
Micronesia, Fed. Sts.	6.93	3.19	3.74	117.09
Moldova	3.33	1.25	2.08	166.67
Mongolia	6.95	2.79	4.16	148.94
Montenegro	3.60	1.68	1.93	114.85
Morocco	7.04	2.53	4.51	178.70
Mozambique	6.95	5.31	1.65	31.08
Myanmar	6.05	2.23	3.82	171.35
Namibia	6.15	3.47	2.68	77.05
Nepal	5.96	2.16	3.80	175.62
Netherlands	3.12	1.71	1.41	82.46
New Caledonia	6.28	2.22	4.06	182.79
New Zealand	4.03	1.99	2.04	102.51
Nicaragua	7.34	2.23	5.11	228.82

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Country	TFR 1960	TFR 2015	Change 1960-2015	% Change 1960-2015
Niger	7.45	7.29	0.16	2.25
Nigeria	6.35	5.59	0.76	13.65
Norway	2.85	1.75	1.10	62.86
Oman	7.25	2.74	4.51	164.78
Pakistan	6.60	3.55	3.05	85.92
Panama	5.87	2.54	3.33	131.01
Papua New Guinea	6.28	3.71	2.57	69.27
Paraguay	6.50	2.51	3.99	159.07
Peru	6.97	2.43	4.54	186.99
Philippines	7.15	2.96	4.19	141.65
Poland	2.98	1.32	1.66	125.76
Portugal	3.16	1.23	1.93	156.91
Puerto Rico	4.66	1.43	3.23	225.21
Qatar	6.97	1.93	5.04	261.38
Romania	2.34	1.52	0.82	53.95
Russian Federation	2.52	1.75	0.77	44.00
Rwanda	8.19	3.97	4.22	106.38
Samoa	7.65	4.03	3.62	89.90
Sao Tome and Principe	6.24	4.52	1.72	38.16
Saudi Arabia	7.22	2.58	4.64	179.80
Senegal	7.00	4.84	2.16	44.55
Sierra Leone	6.13	4.56	1.57	34.33
Singapore	5.76	1.24	4.52	364.52
Slovak Republic	3.04	1.37	1.67	121.90
Slovenia	2.34	1.58	0.76	48.16
Solomon Islands	6.39	3.91	2.48	63.50
Somalia	7.25	6.37	0.89	13.90
South Africa	6.04	2.49	3.56	143.10
South Sudan	6.72	4.94	1.78	36.11
Spain	2.86	1.32	1.54	116.67
Sri Lanka	5.54	2.06	3.48	168.59
St. Lucia	6.97	1.47	5.50	373.62
St. Vincent and the Grenadines	7.22	1.95	5.27	269.89
Sudan	6.69	4.60	2.10	45.61
Suriname	6.61	2.40	4.21	175.79
Swaziland	6.72	3.14	3.58	113.85
Sweden	2.17	1.88	0.29	15.43
Switzerland	2.44	1.54	0.90	58.44
Syrian Arab Republic	7.47	2.97	4.50	151.75
Tajikistan	6.55	3.40	3.14	92.33
Tanzania	6.81	5.08	1.73	34.00
Thailand	6.15	1.50	4.65	310.35
Timor-Leste	6.37	5.62	0.76	13.44
Togo	6.52	4.52	2.00	44.37
Tonga	7.36	3.68	3.69	100.19
Trinidad and Tobago	5.26	1.77	3.50	198.07
Tunisia	6.94	2.22	4.72	212.28
Turkey	6.37	2.07	4.29	207.24

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Country	TFR 1960	TFR 2015	Change 1960-2015	% Change 1960-2015
Turkmenistan	6.59	2.93	3.66	124.84
Uganda	7.00	5.68	1.32	23.18
Ukraine	2.24	1.51	0.73	48.74
United Arab Emirates	6.93	1.77	5.16	292.58
United Kingdom	2.69	1.81	0.88	48.62
United States	3.65	1.84	1.81	98.26
Uruguay	2.88	2.01	0.87	43.50
Uzbekistan	6.26	2.49	3.76	151.10
Vanuatu	7.20	3.31	3.89	117.30
Venezuela, RB	6.62	2.34	4.28	182.61
Vietnam	6.35	1.96	4.39	224.21
Virgin Islands (U.S.)	5.62	1.74	3.88	222.70
Yemen, Rep.	7.49	4.10	3.38	82.46
Zambia	7.12	5.04	2.07	41.14
Zimbabwe	7.16	3.84	3.32	86.60

Notes: The table reports total fertility rate for each country in 1960 and 2015, and the absolute and percentage change in fertility over this period. The data is from the World Bank's World Development Indicators database.