Focus Area Project

Demographic and Socio-economic Horizon Year Scenario Planning

December 19, 2018

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Scenario Planning

Scenario Planning

Scenario planning is an approach to strategic planning that uses alternate narratives of plausible futures (or future states) to play out decisions in an effort to make more informed choices and create plans for the future.

*- Federal Highway Administration*

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Types of Scenarios

- Environmental
- Technological
- Economic
- Political
- **Demographic**

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Focus Area

- ## Project
  - Demographic and Socio-economic Horizon Year Scenario Planning

- ## Purpose
  - Expand knowledge and understanding of existing and forecasted regional demographic and socio-economic trends and their impact on travel behavior, choices, and patterns.

- ## Description

- ## Potential Products
  - Demographic and Socio-economic trend analysis
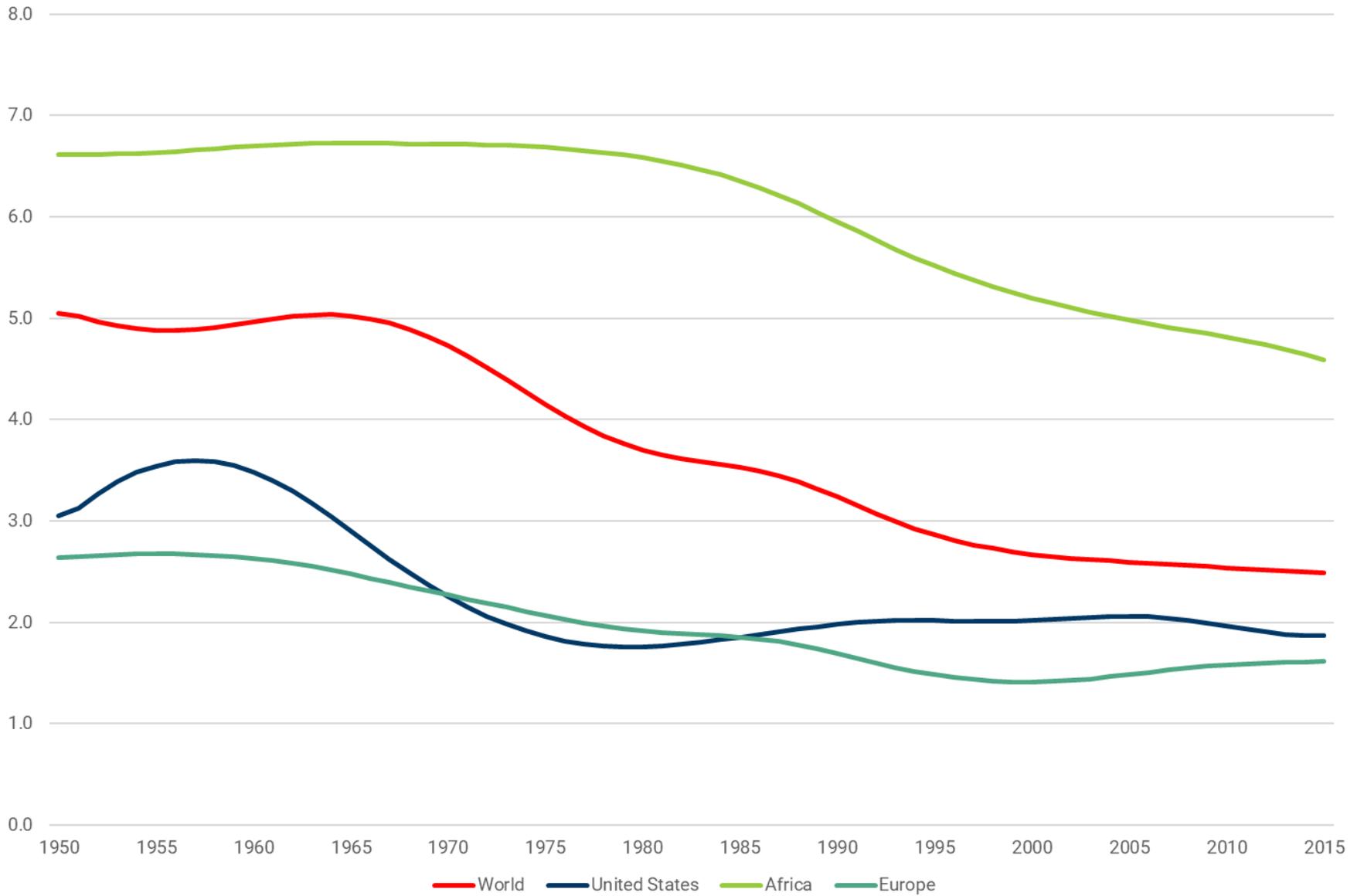 - Cooperative Forecasting Group/Technical Committee Scenario Planning Exercise

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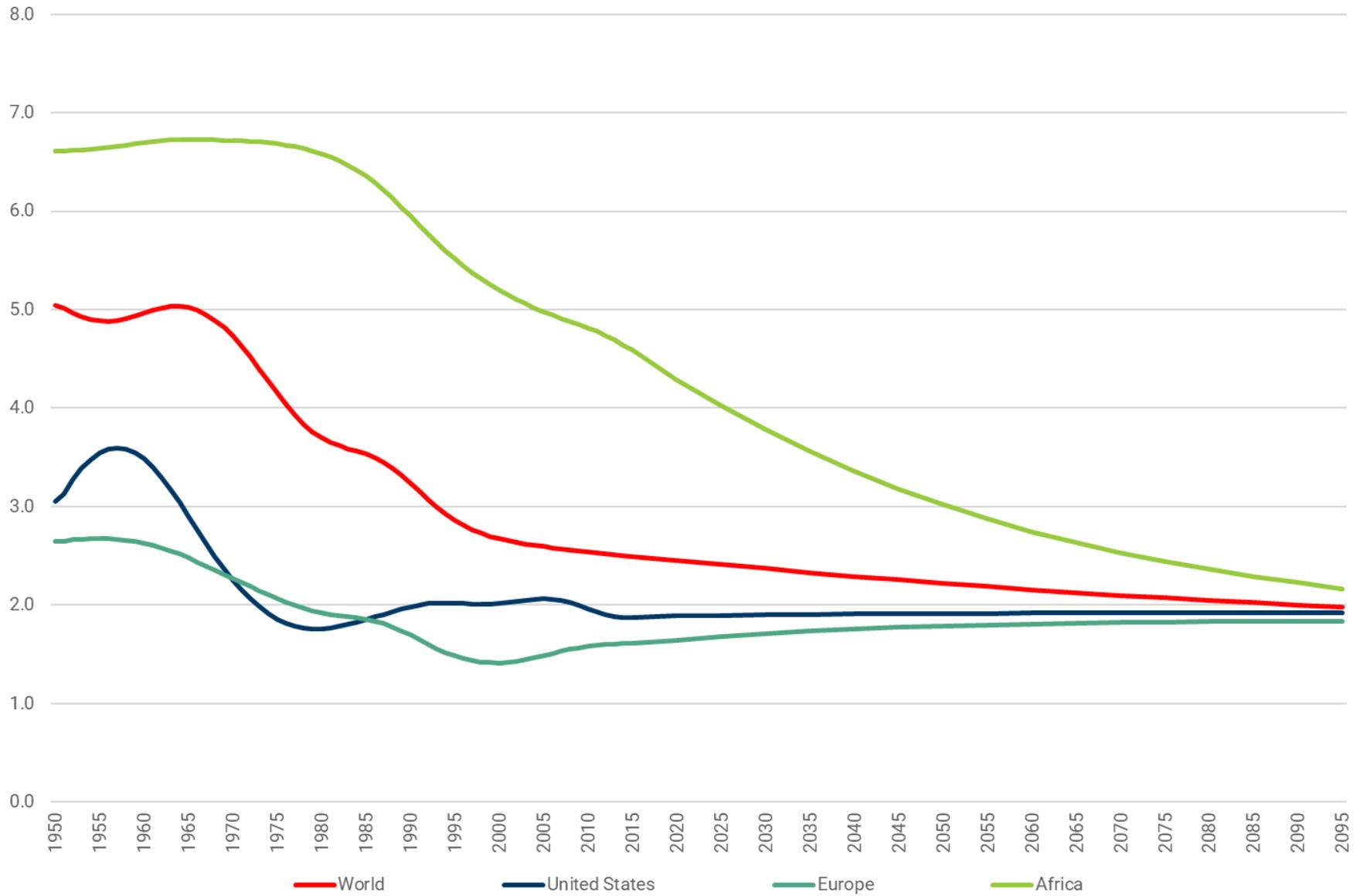# Fertility Rates

Total Fertility Rate by Country, 2017
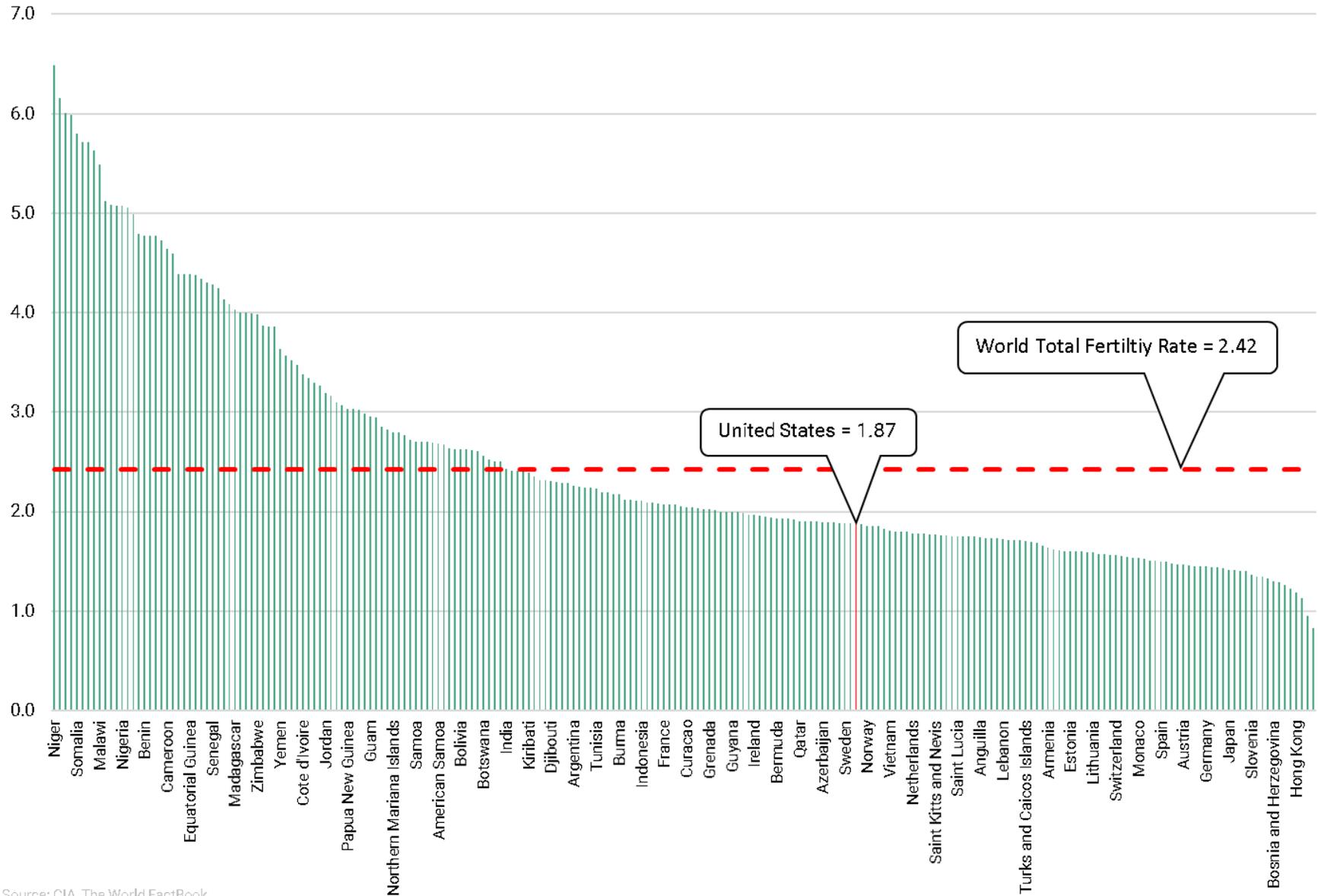
Source: CIA, The World FactBook.

Total Fertility Rates, 1950 - 2015

Legend: World, United States, Africa, Europe
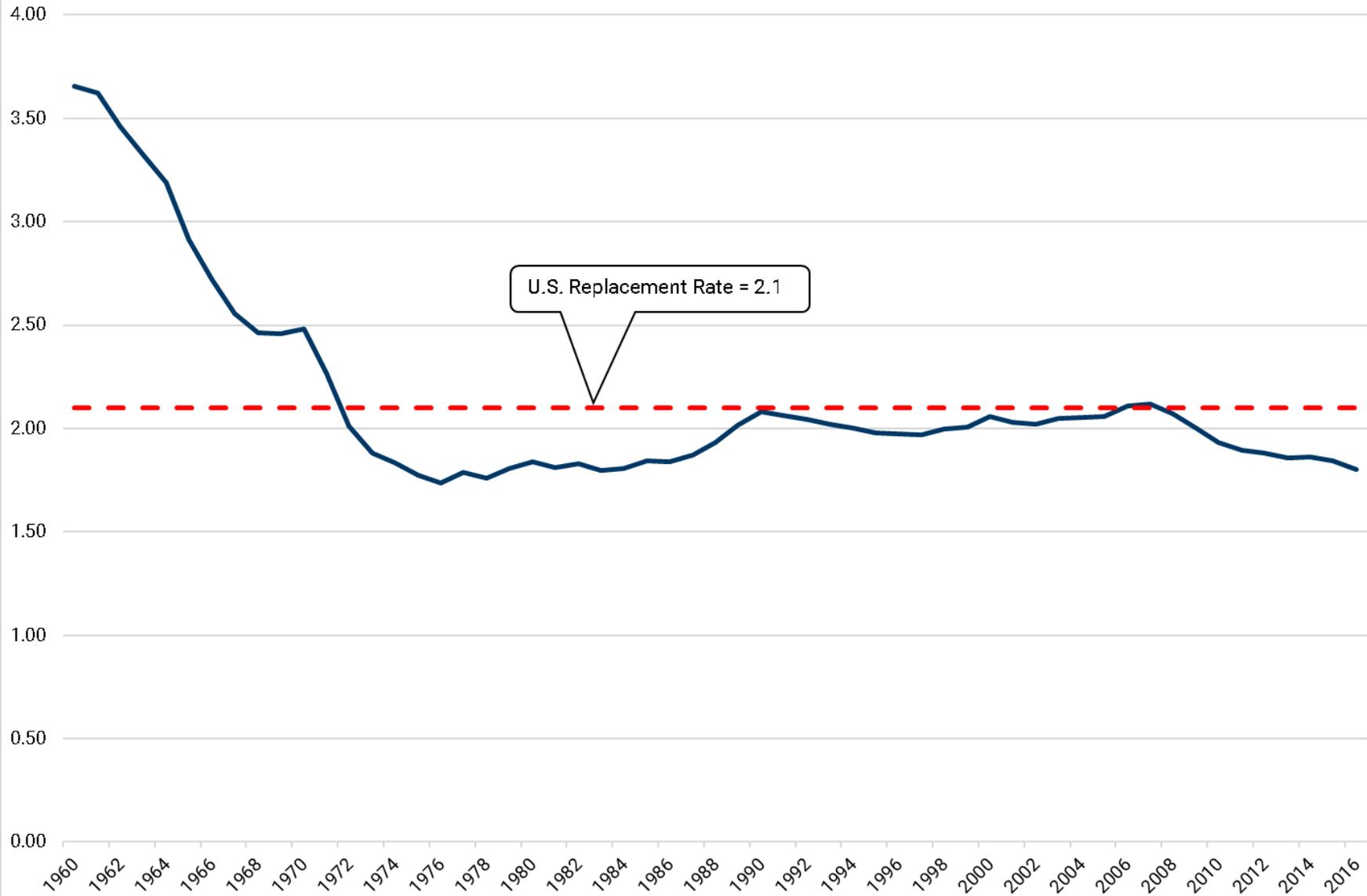
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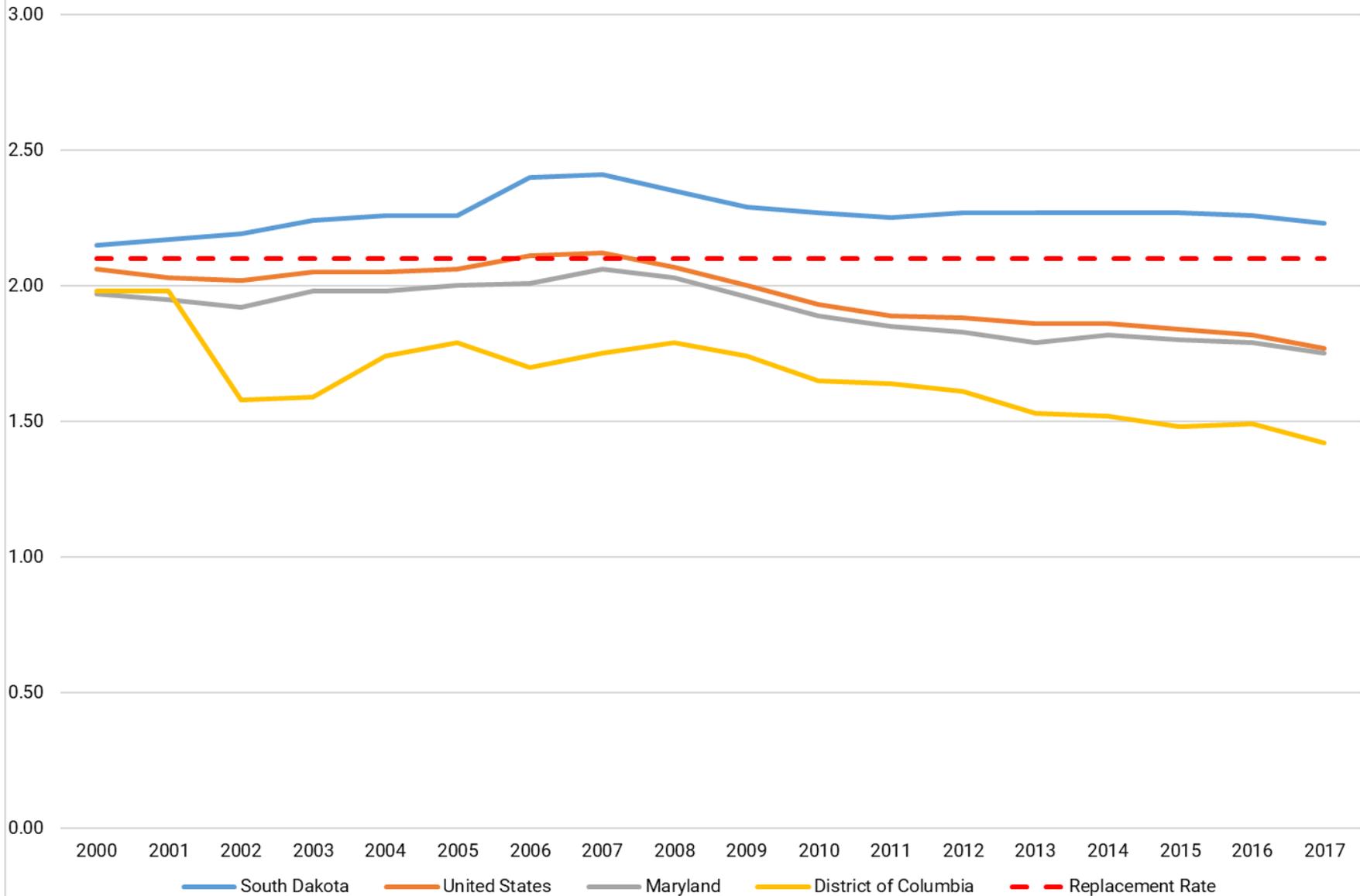
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Total Fertility Rates, Estimated and Projected

Source: Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat.

Total Fertility Rate, United States

U.S. Replacement Rate = 2.1

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Total Fertility Rate: Selected Jurisdictions

Legend: South Dakota — United States — Maryland — District of Columbia — Replacement Rate

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Labor Force Participation Rates

Total Labor Force Participation Rate: 1970 - 2010

Female Labor Force Participation Rate: 1970 - 2010

Legend: Baltimore Region, Maryland, US

Male Labor Force Participation Rate: 1970 - 2010

Legend: Baltimore Region, Maryland, US

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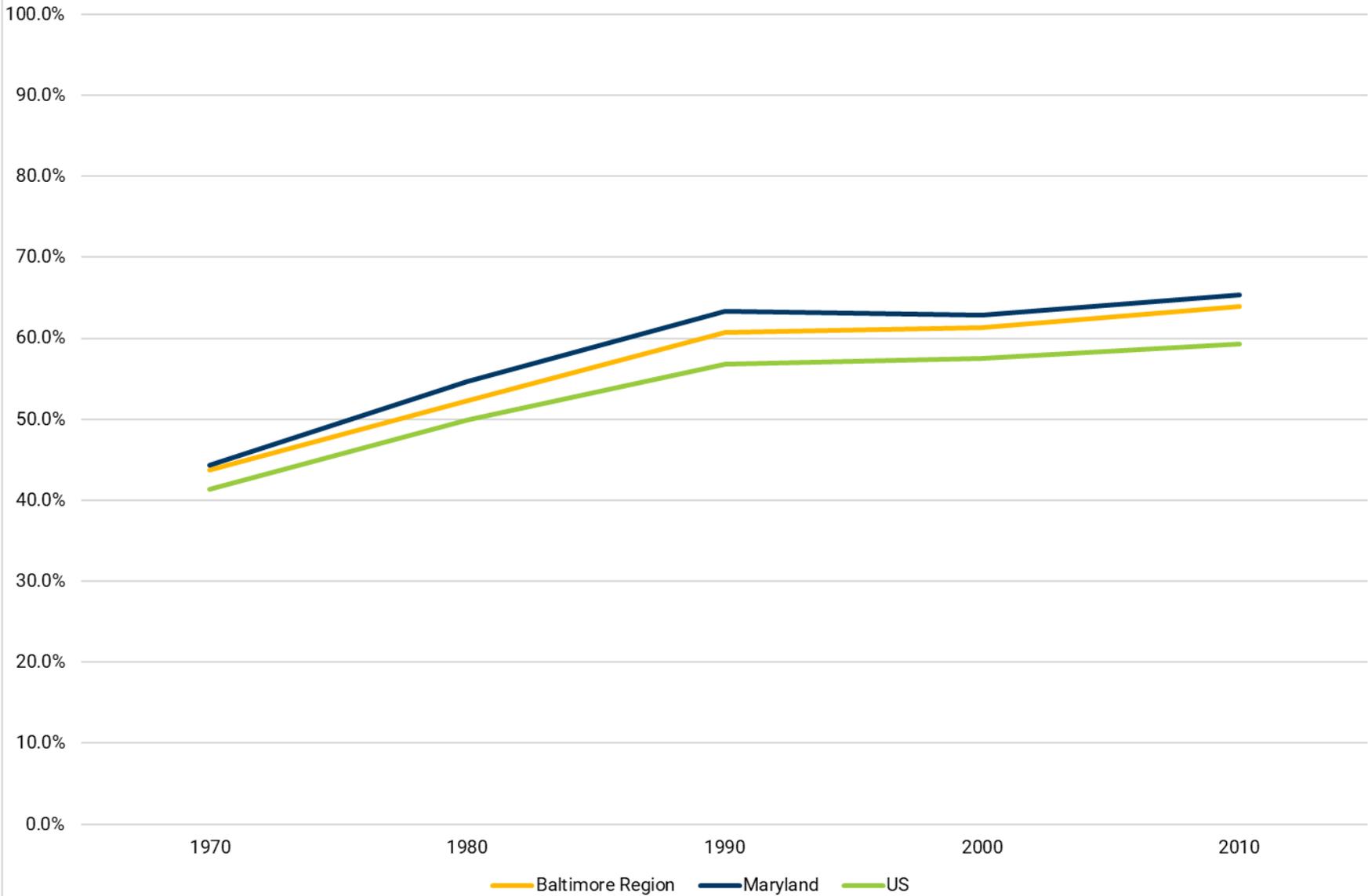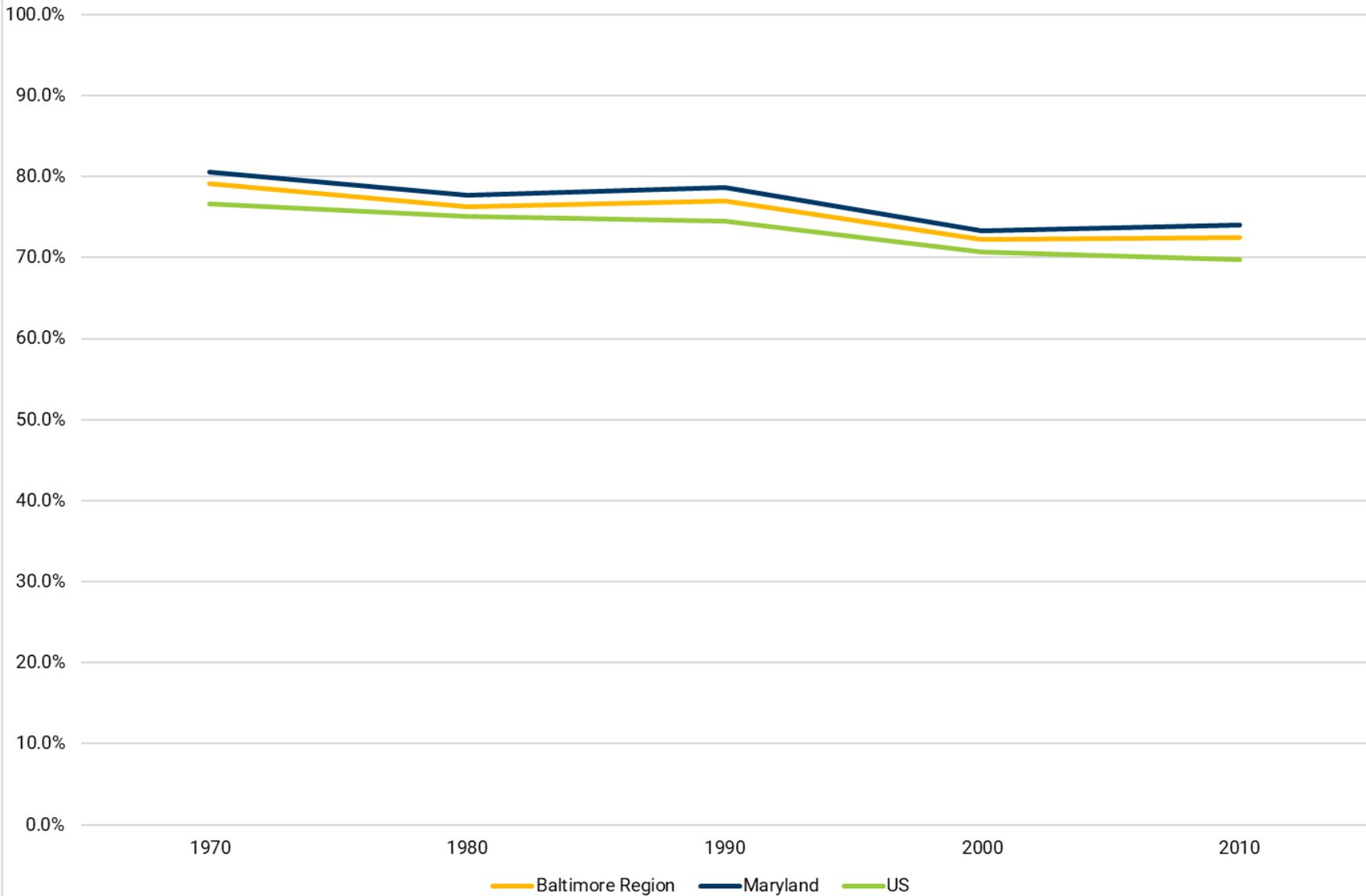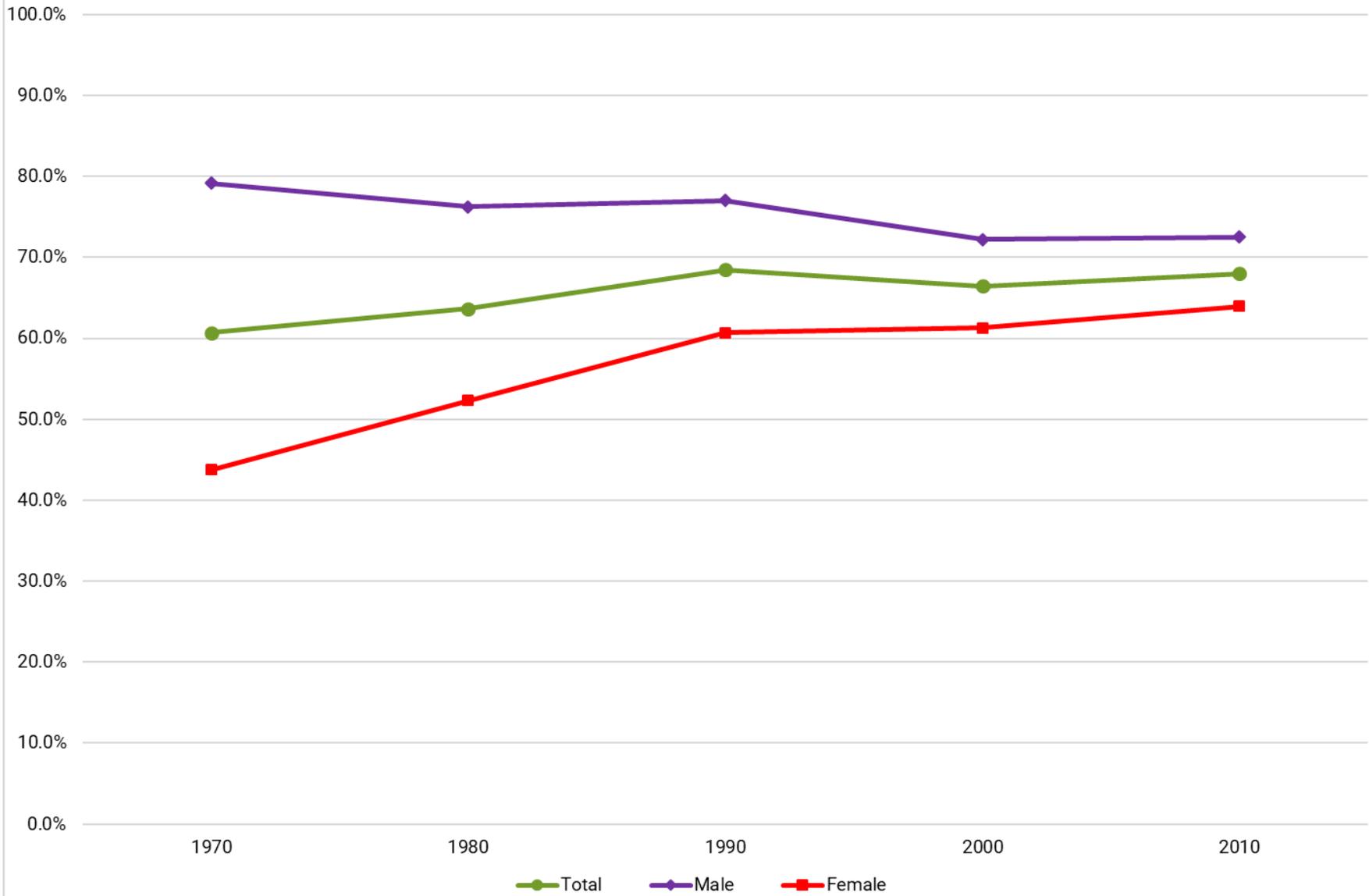Baltimore Region Labor Force Participation Rate by Sex: 1970 - 2010
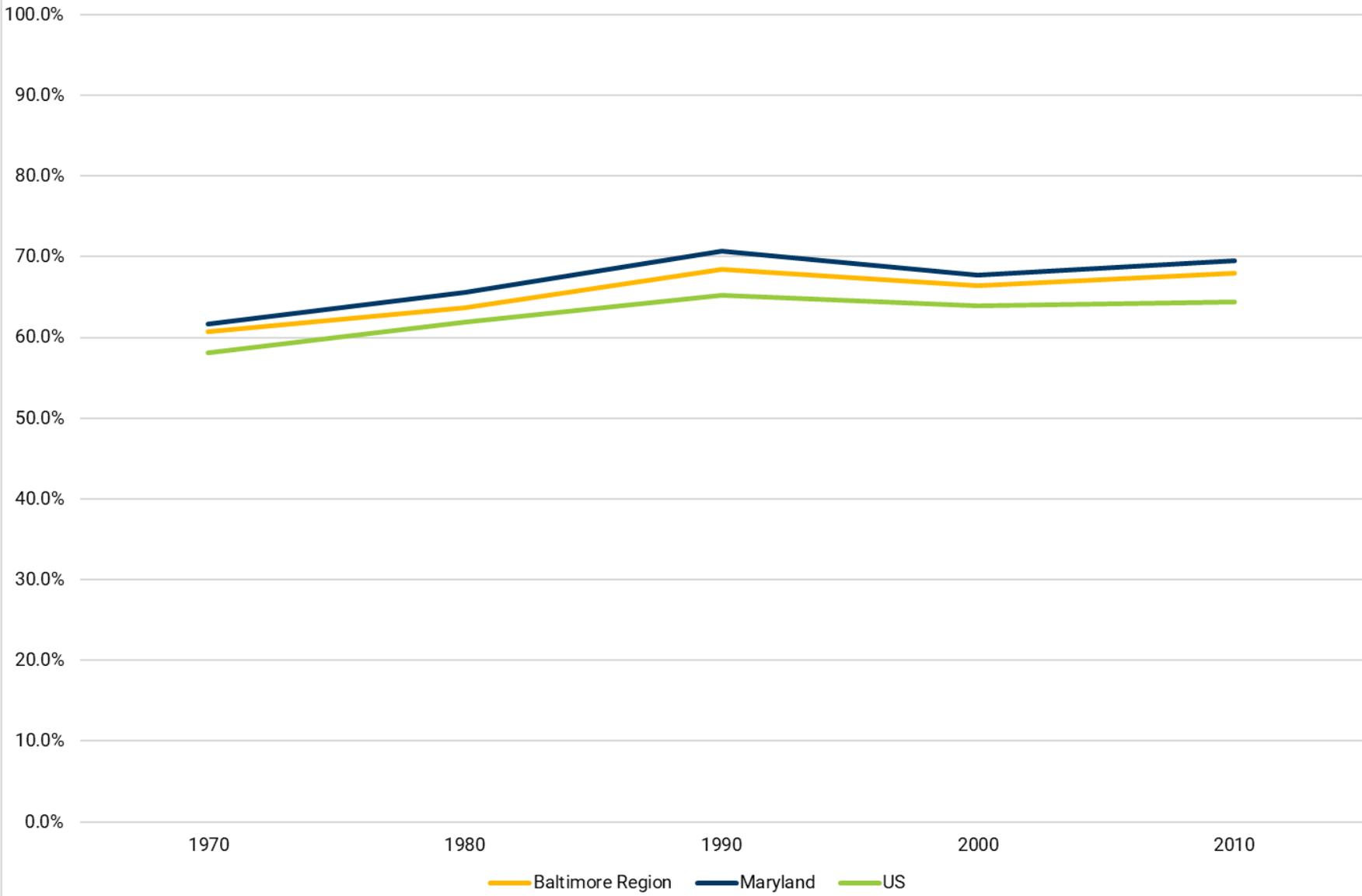
Source: IPUMS National Historical Geographic Information System: Version 13.0; U.S. Census Bureau ACS 1-Year Estimates, Table B23001.
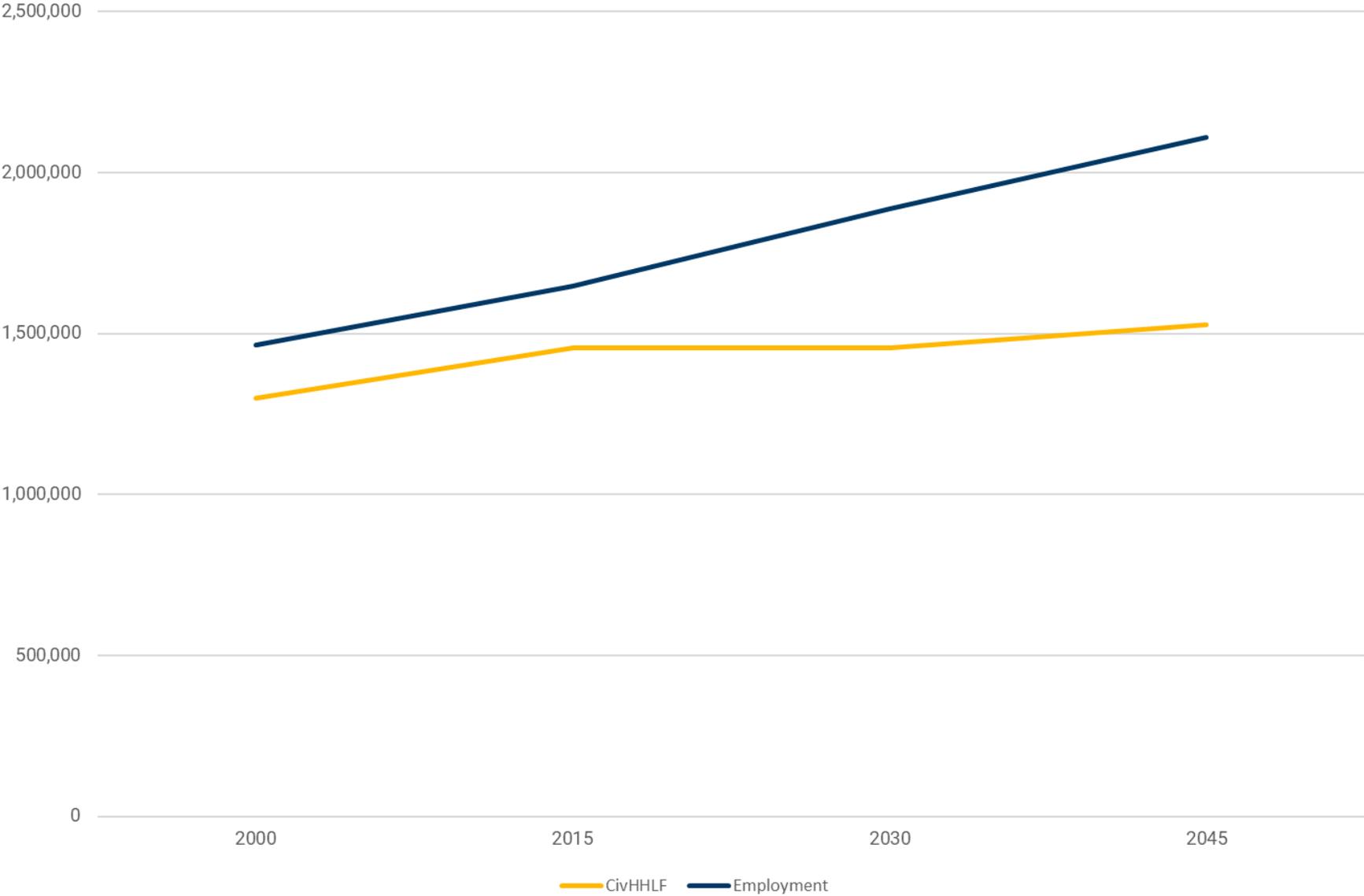
Round 9:
Population and Employment

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CivHHLF and Employment: 2000 - 2045

Source: U.S. Census Bureau; Bureau of Economic Analysis; Cooperative Forecasting Group; Baltimore Metropolitan Council.

Round 9.1 Forecast of Employment and Households and Calculated "Shortfall"
(Thousands)

	2018 [1]	2020	2025	2030	2035	2040	2045
Forecast Employment (9.1)	3,281	3,361	3,573	3,774	3,947	4,116	4,274
Households "Needed" for Jobs	2,130	2,182	2,320	2,451	2,563	2,673	2,775
Forecast Households (9.1)	2,085	2,133	2,255	2,375	2,477	2,565	2,660
Housing "Shortfall"	45	49	65	76	86	108	115

(1) Estimate
(2) Shortfall calculated using "1.54 Jobs Per Household" ratio
Source: MWCOG, Round 9.1 Cooperative Foreasts

Note: Table is from a Metropolitan Washington Council of Governments memorandum: *Meeting the Region's Current and Future Housing Needs*, September 5, 2018.

What scenario(s) are you interested in exploring?

For More Information

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