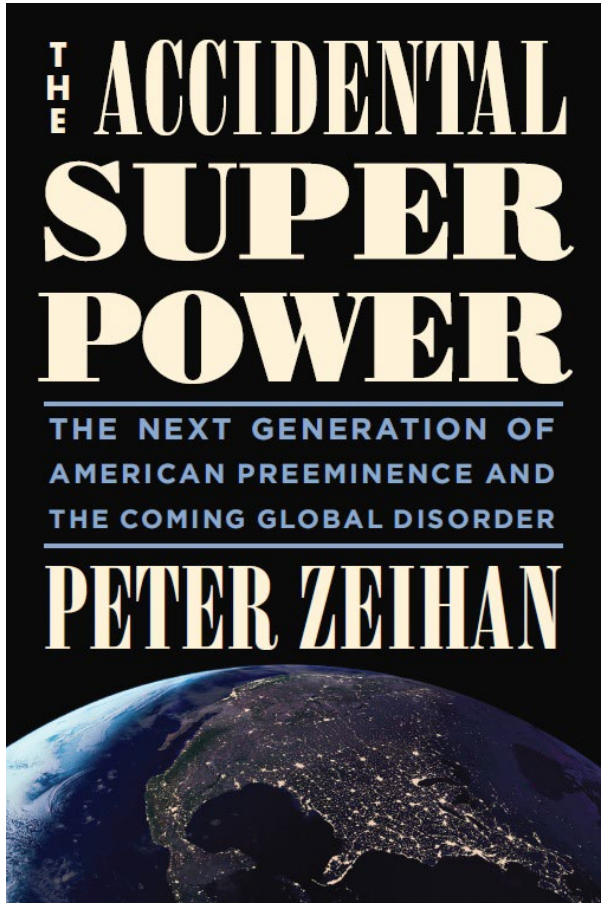
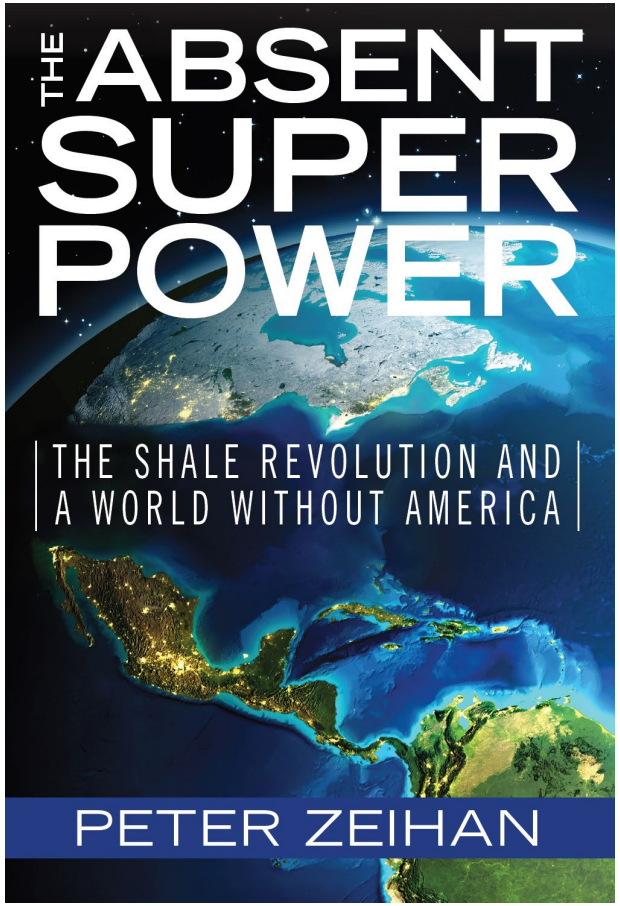
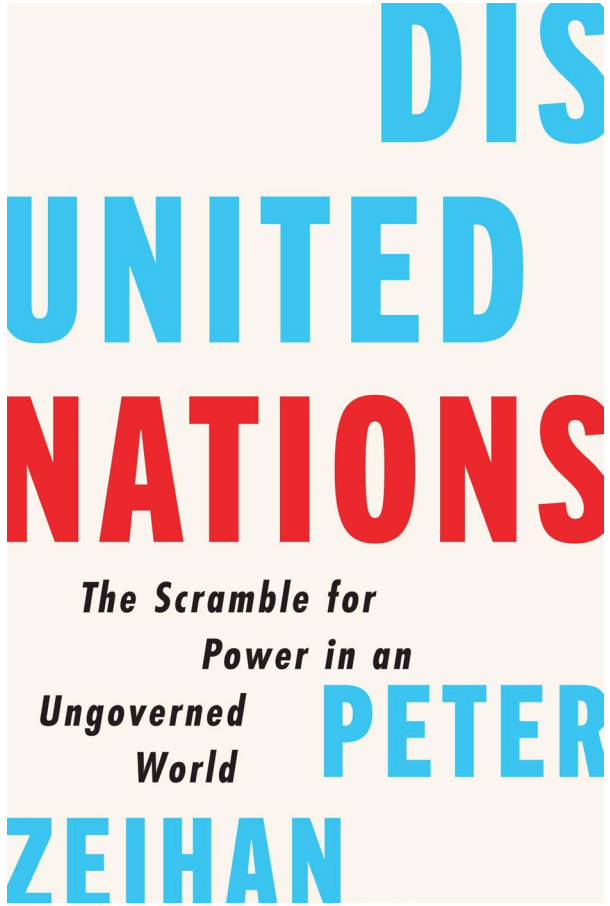
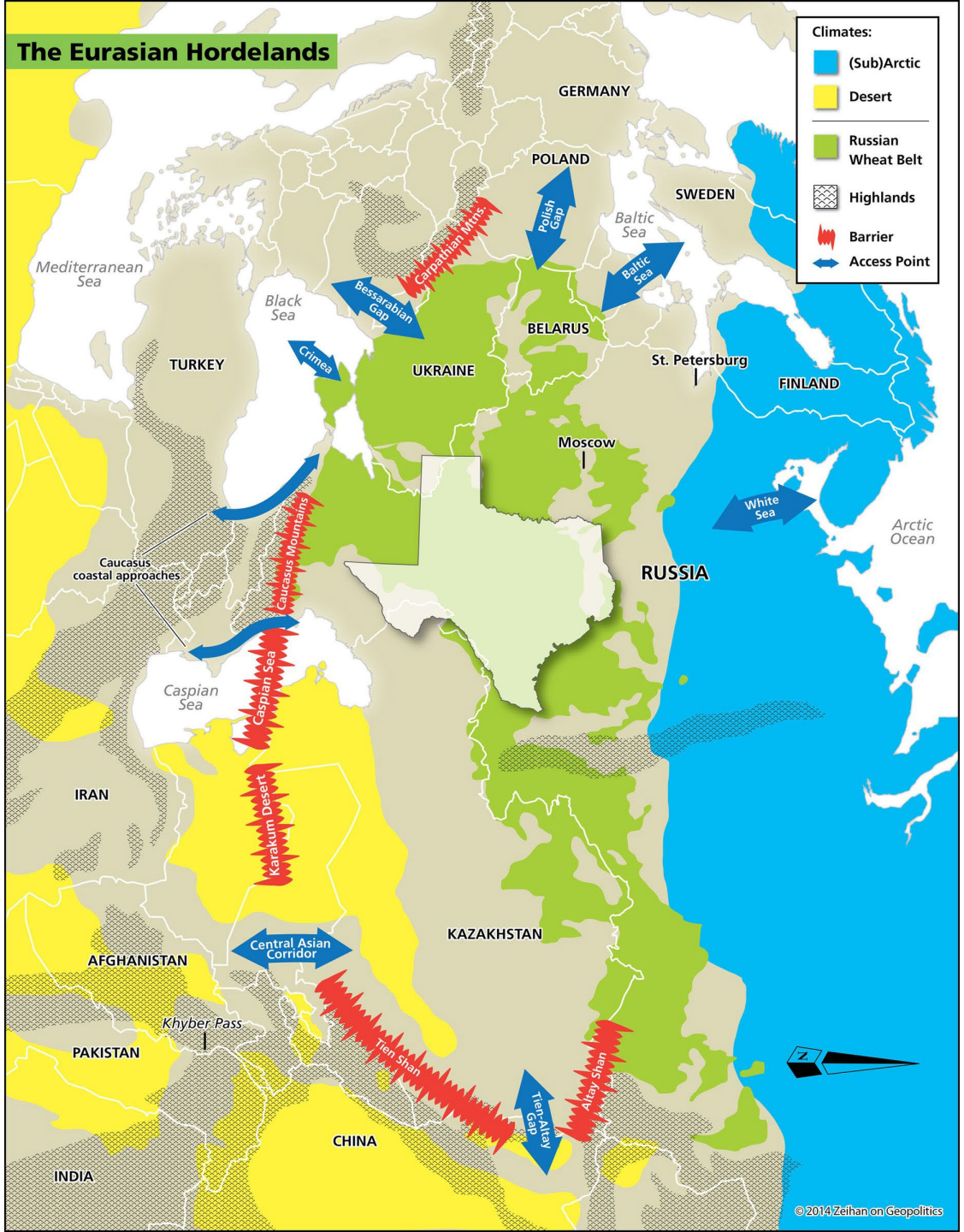
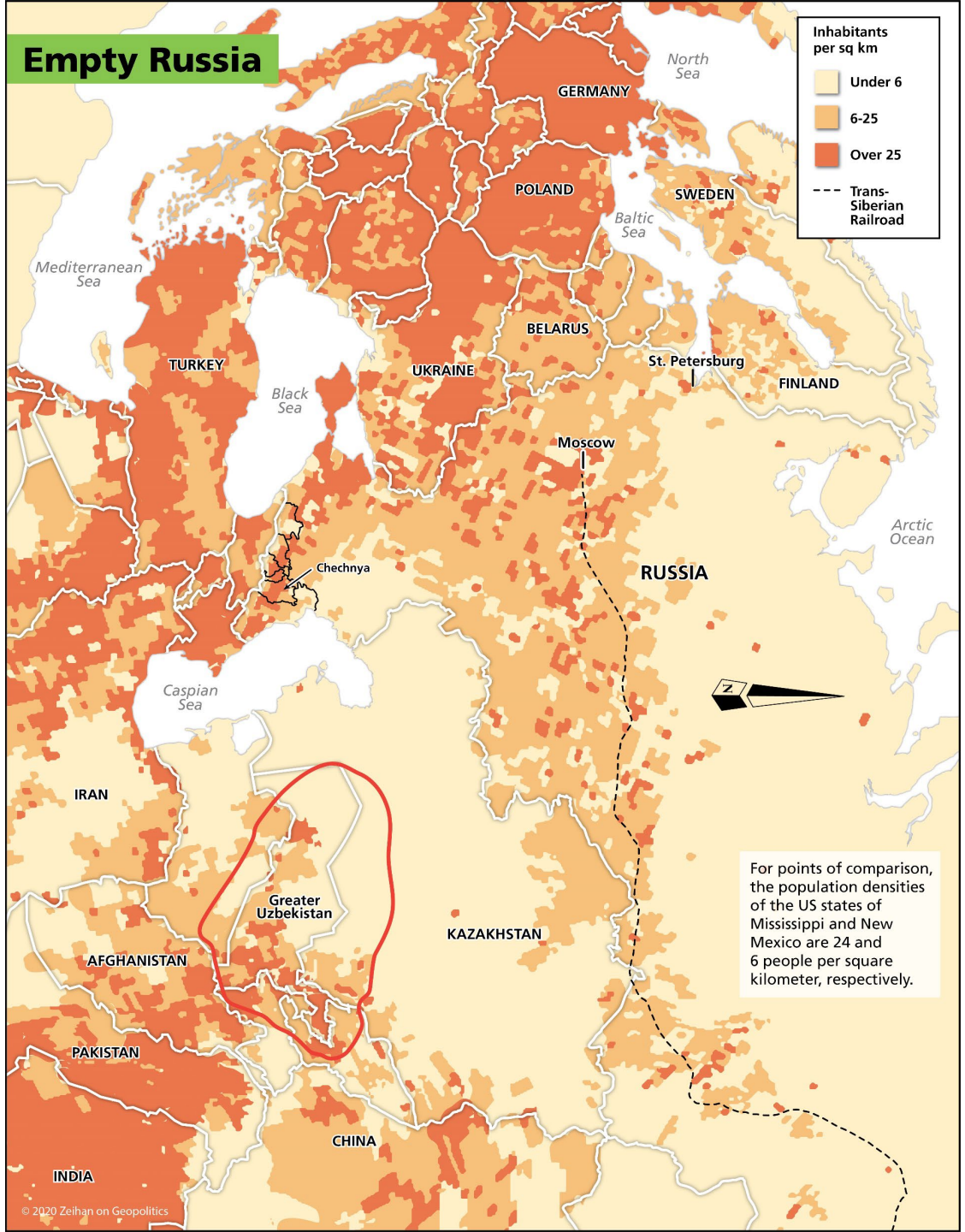






Living Through the End of the World
ACAF – June 3, 2022


The Eurasian Hordelands
Climates:
(Sub)Arctic
Desert
Russian Wheat Belt
Highlands
Barrier
Access Point
GERMANY
POLAND
SWEDEN
Baltic Sea
Polish Gap
Baltic Sea
Carpathian Mtns.
Bessarabian Gap
Mediterranean Sea
Black Sea
Crimea
BELARUS
TURKEY
UKRAINE
St. Petersburg
FINLAND
Moscow
White Sea
Arctic Ocean
RUSSIA
Caucasus coastal approaches
Caucasus Mountains
Caspian Sea
Caspian Sea
IRAN
Karakum Desert
KAZAKHSTAN
Central Asian Corridor
AFGHANISTAN
Khyber Pass
PAKISTAN
Tien Shan
Altay Shan
Tien-Altay Gap
CHINA
INDIA
©2014 Zeihan on Geopolitics


Empty Russia
Inhabitants per sq km
Under 6
6-25
Over 25
Trans-Siberian Railroad
North Sea
GERMANY
POLAND
SWEDEN
Baltic Sea
Mediterranean Sea
BELARUS
TURKEY
UKRAINE
St. Petersburg
FINLAND
Black Sea
Moscow
Arctic Ocean
Chechnya
RUSSIA
Caspian Sea
IRAN
Greater Uzbekistan
KAZAKHSTAN
AFGHANISTAN
PAKISTAN
CHINA
INDIA
For points of comparison, the population densities of the US states of Mississippi and New Mexico are 24 and 6 people per square kilometer, respectively.
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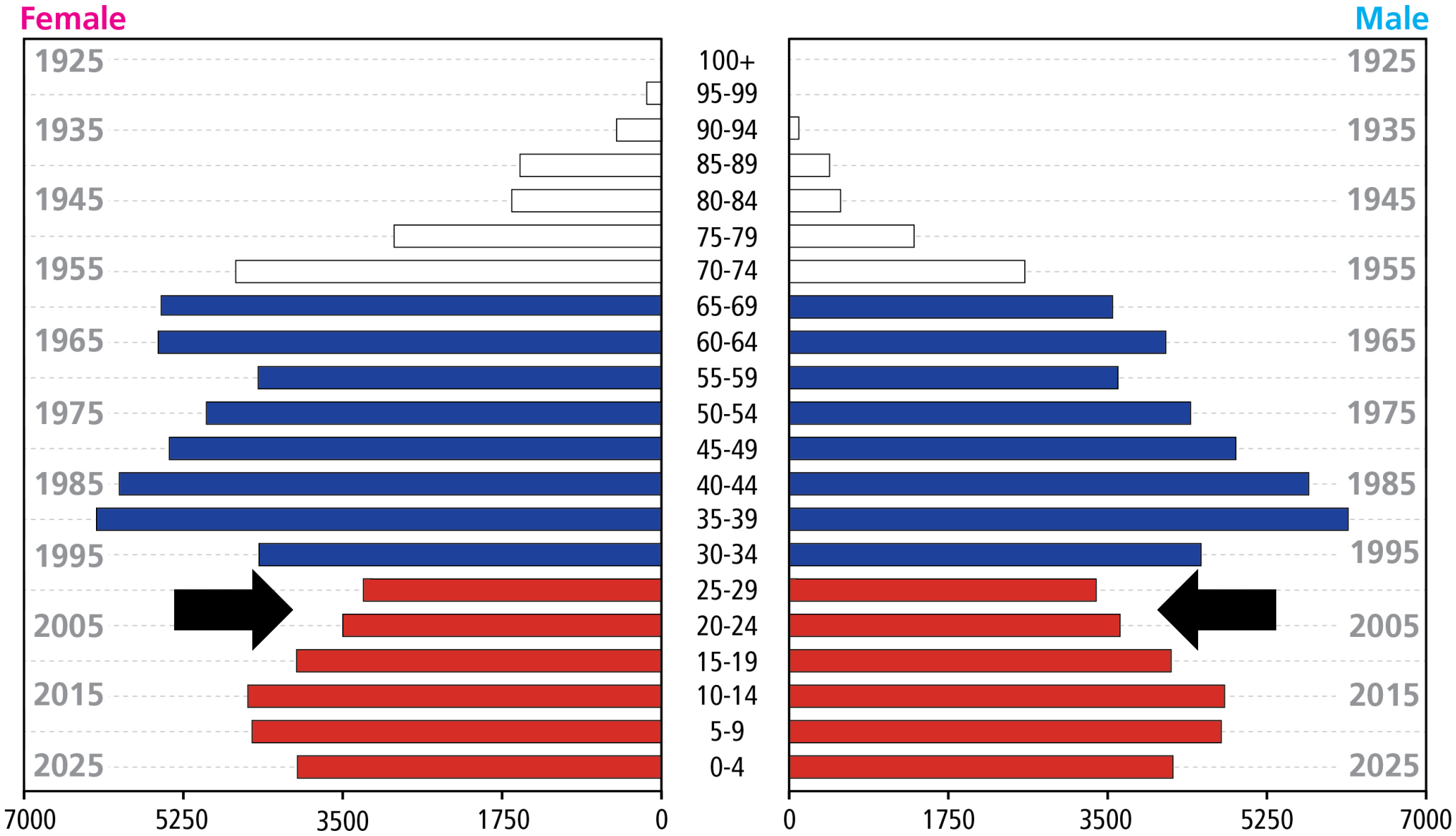
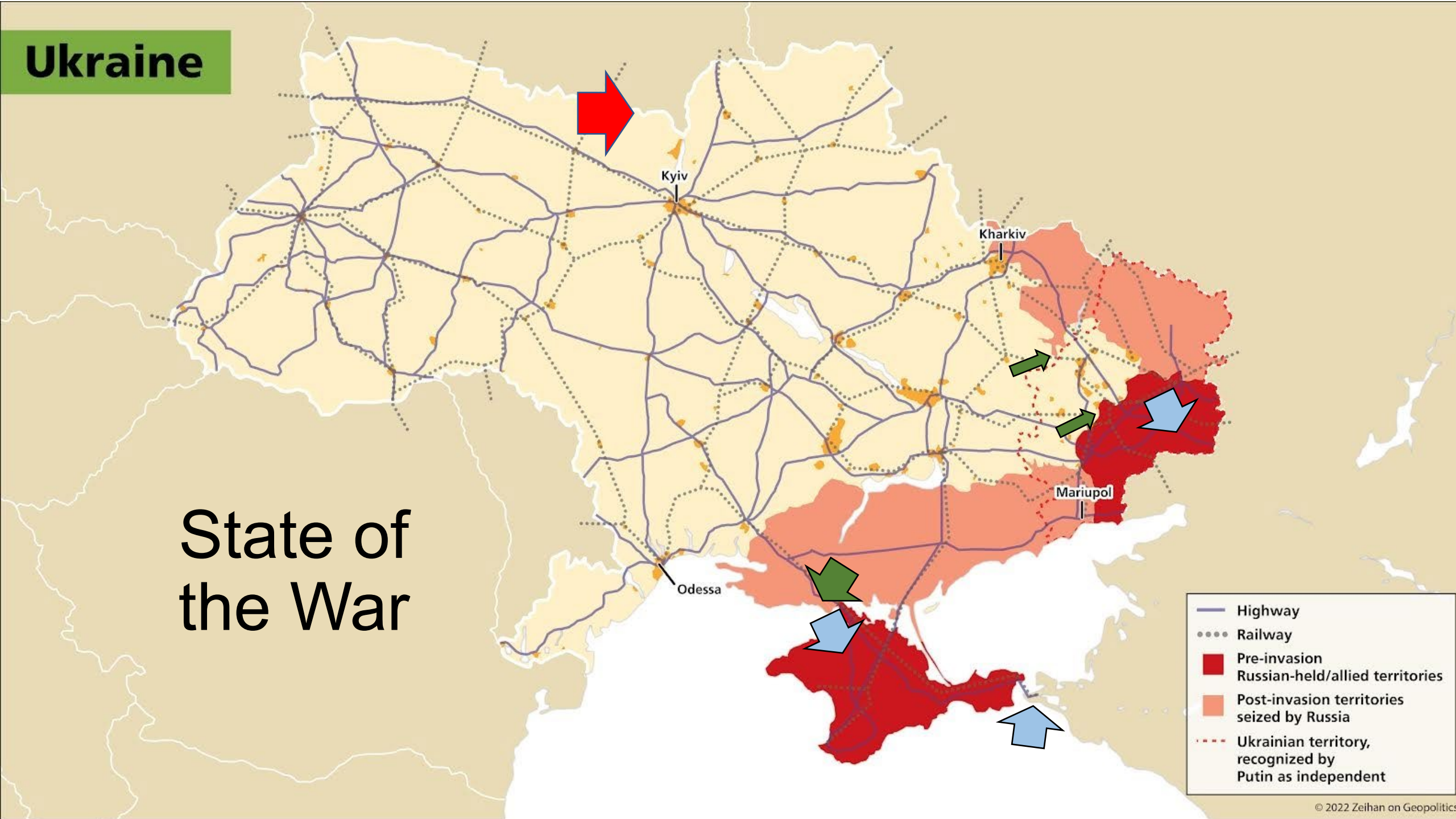
Russia 2025



Birth year of youngest members of 5-year cohorts.

Source: UNPD


Ukraine
State of the War
Kyiv
Kharkiv
Mariupol
Odessa
Highway
Railway
Pre-invasion Russian-held/allied territories
Post-invasion territories seized by Russia
Ukrainian territory, recognized by Putin as independent
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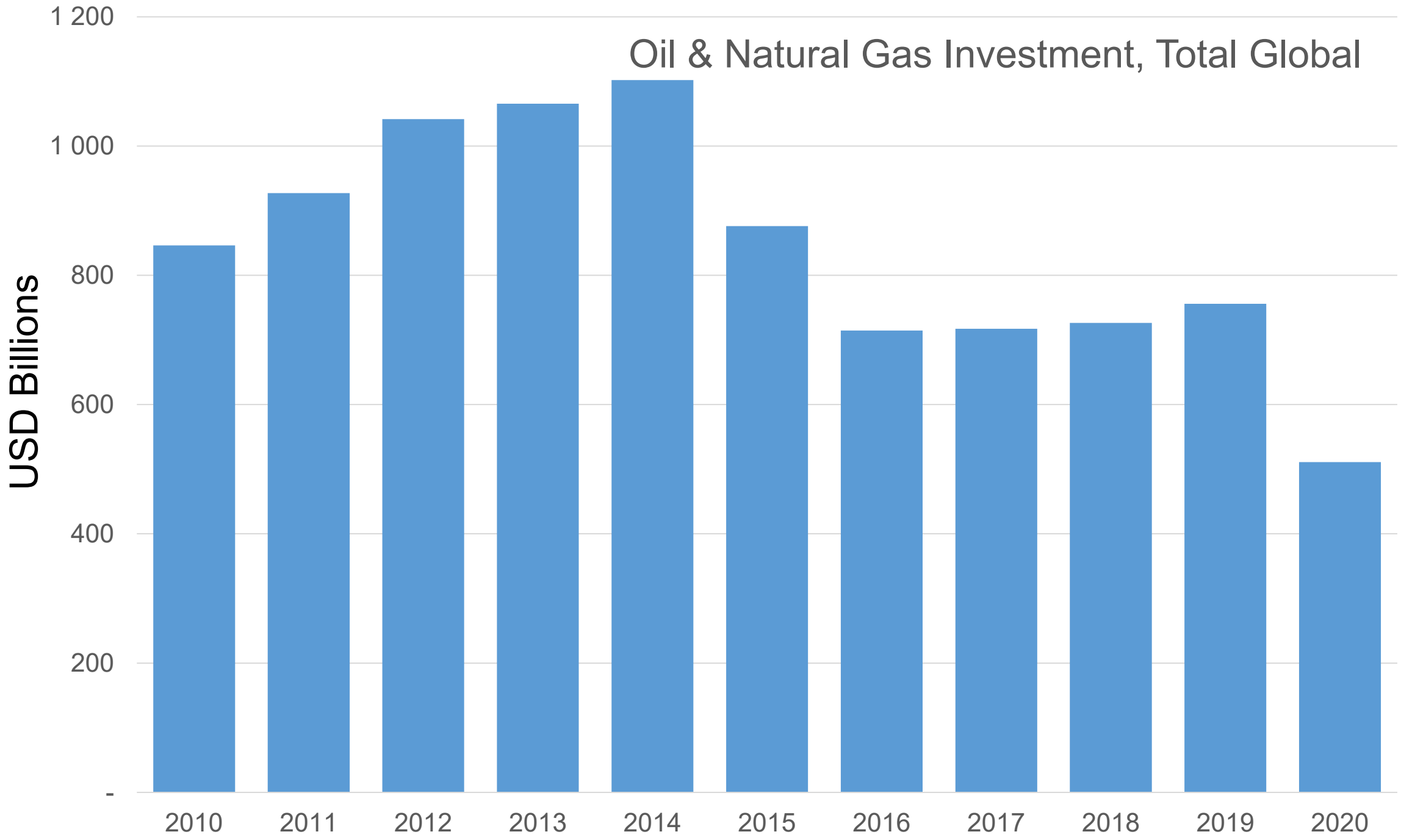
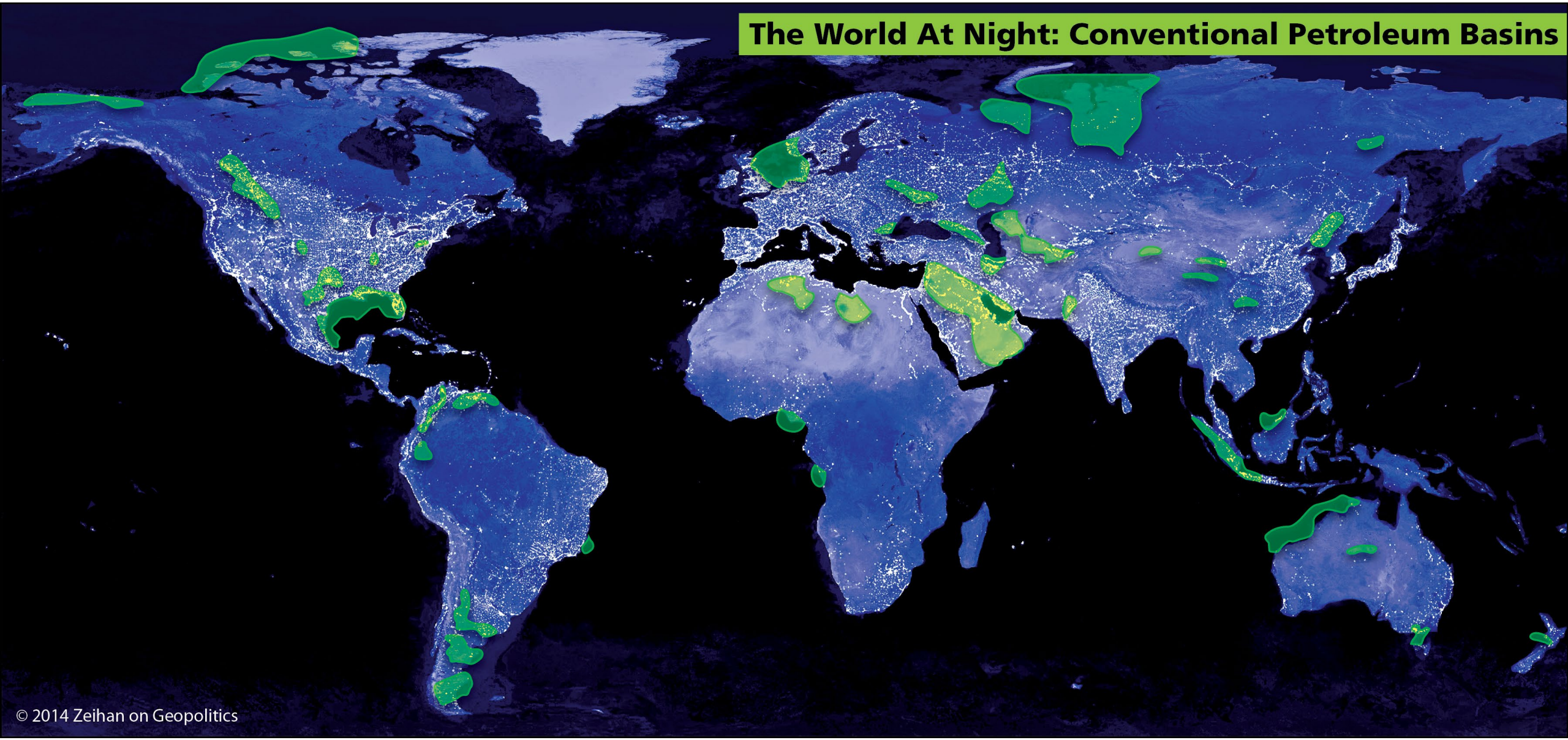
Oil Disruptions & Russia's Export Position

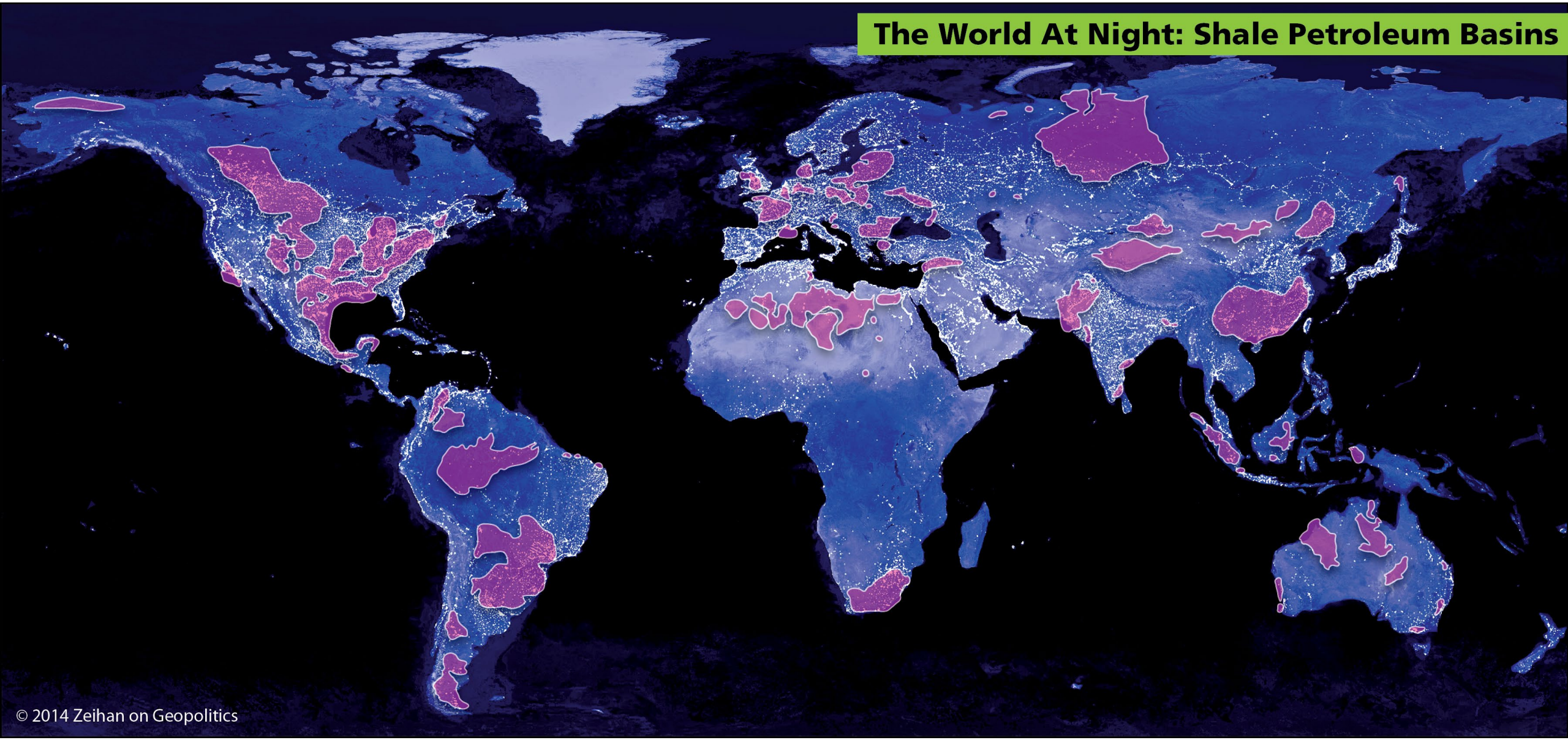
Russian, Belarusian and Ukrainian Major Exports

First in Global Ranking	Second	Third
Natural gas	Crude oil	Coal
Uranium (fuel)	Refined oil products	Aluminum
Neon	Platinum group metals	Gas turbines
Processed nickel	Refined copper	Titanium
Semi-finished iron	Steel	
Wheat	Seed oils	
Fertilizer	Ammonia	
Potash	Sawn wood	


Oil & Natural Gas Investment, Total Global
USD Billions
1 200
1 000
800
600
400
200
-
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020


The World At Night
© 2014 Zeihan on Geopolitics

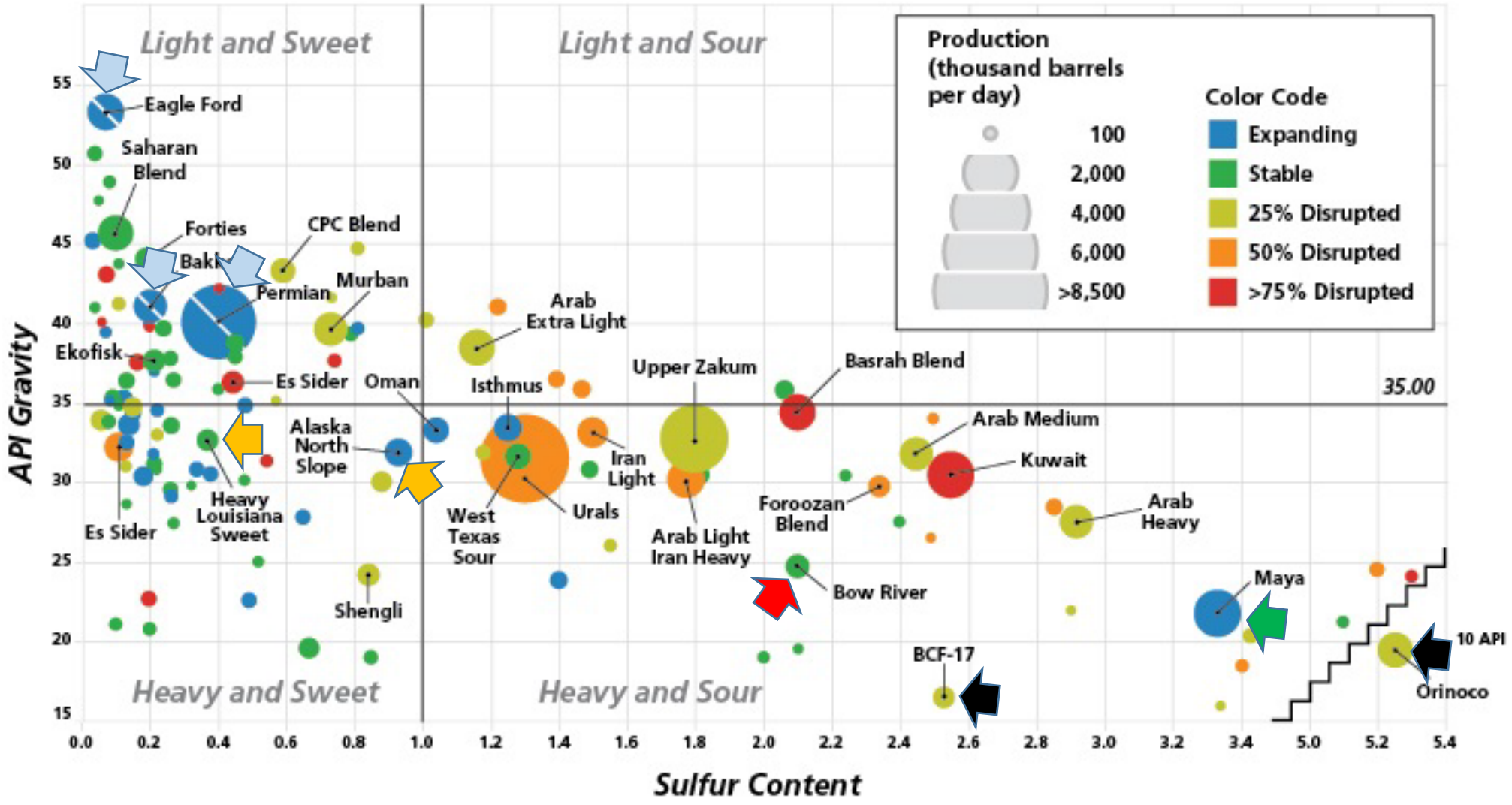

The World At Night: Conventional Petroleum Basins
© 2014 Zeihan on Geopolitics


The World At Night: Shale Petroleum Basins
© 2014 Zeihan on Geopolitics

Risk to Important Crude Flows

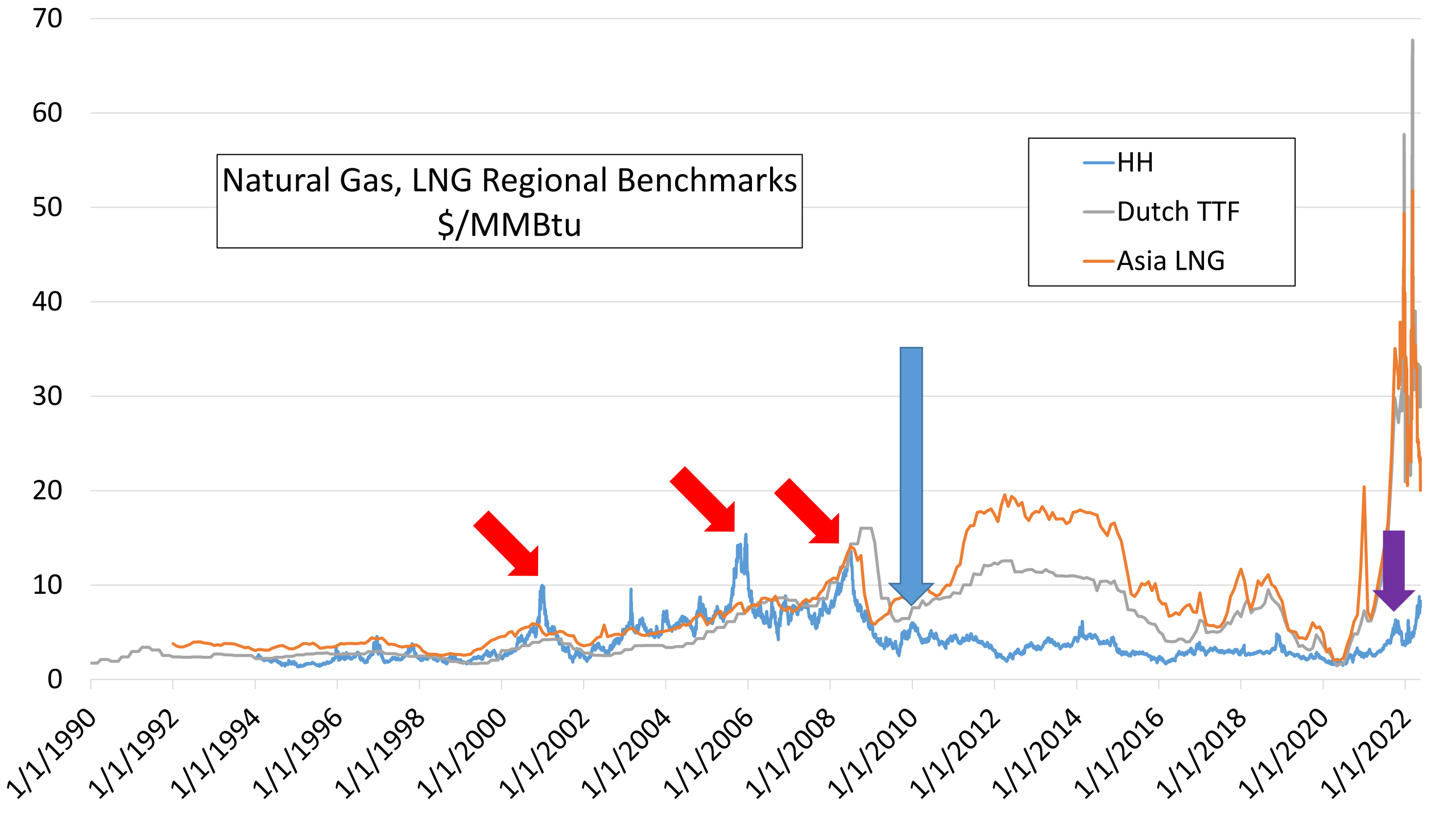
Imported
Venezuela
Canada
Mexico

US
Shale
Conventional

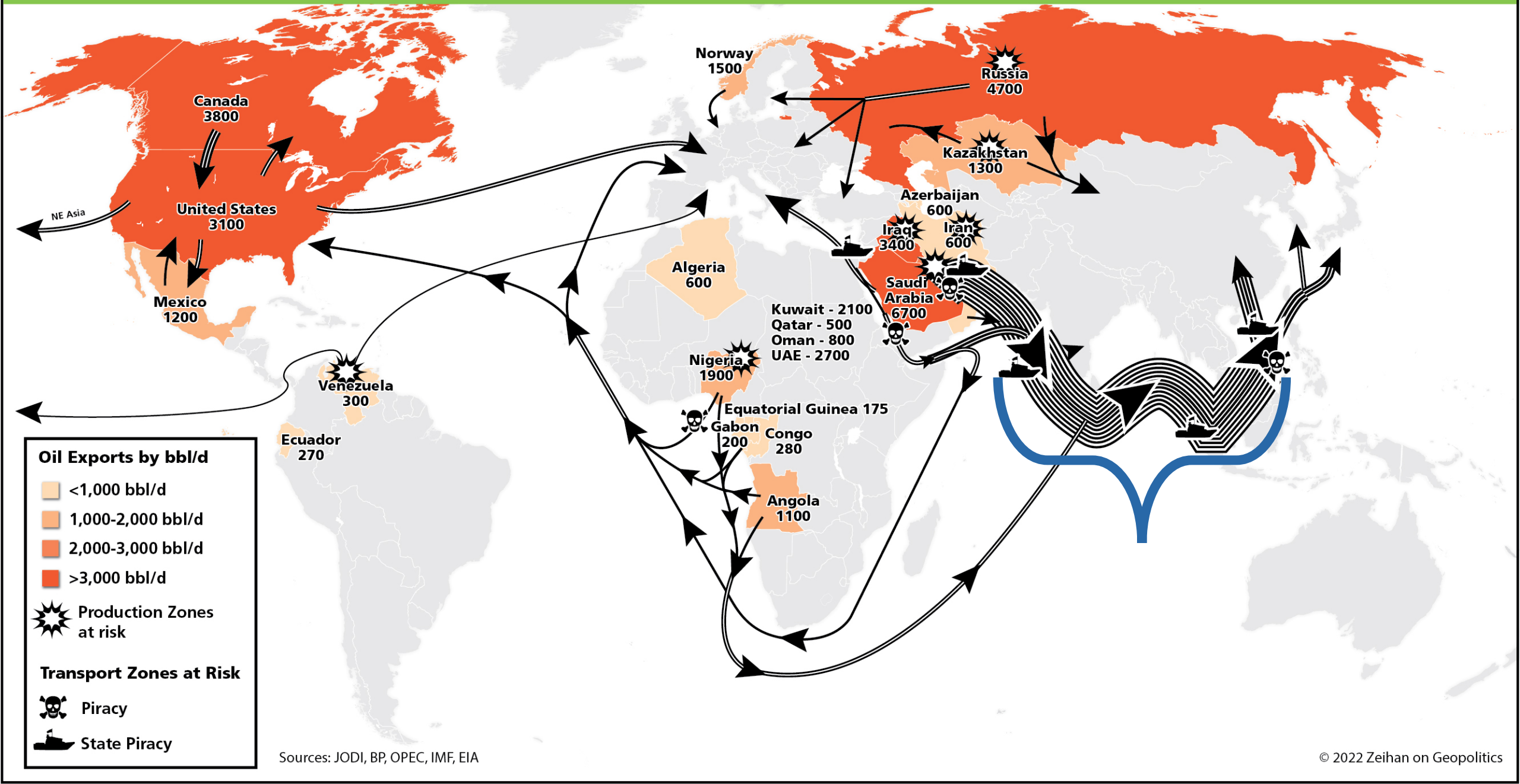


All global crude grades with a gross production in excess of 100,000 barrels per day. Sources: Energy Intelligence, Baker Institute, EIA, Argus Media, and Tableau


Minneapolis
Des Moines
Chicago
Omaha

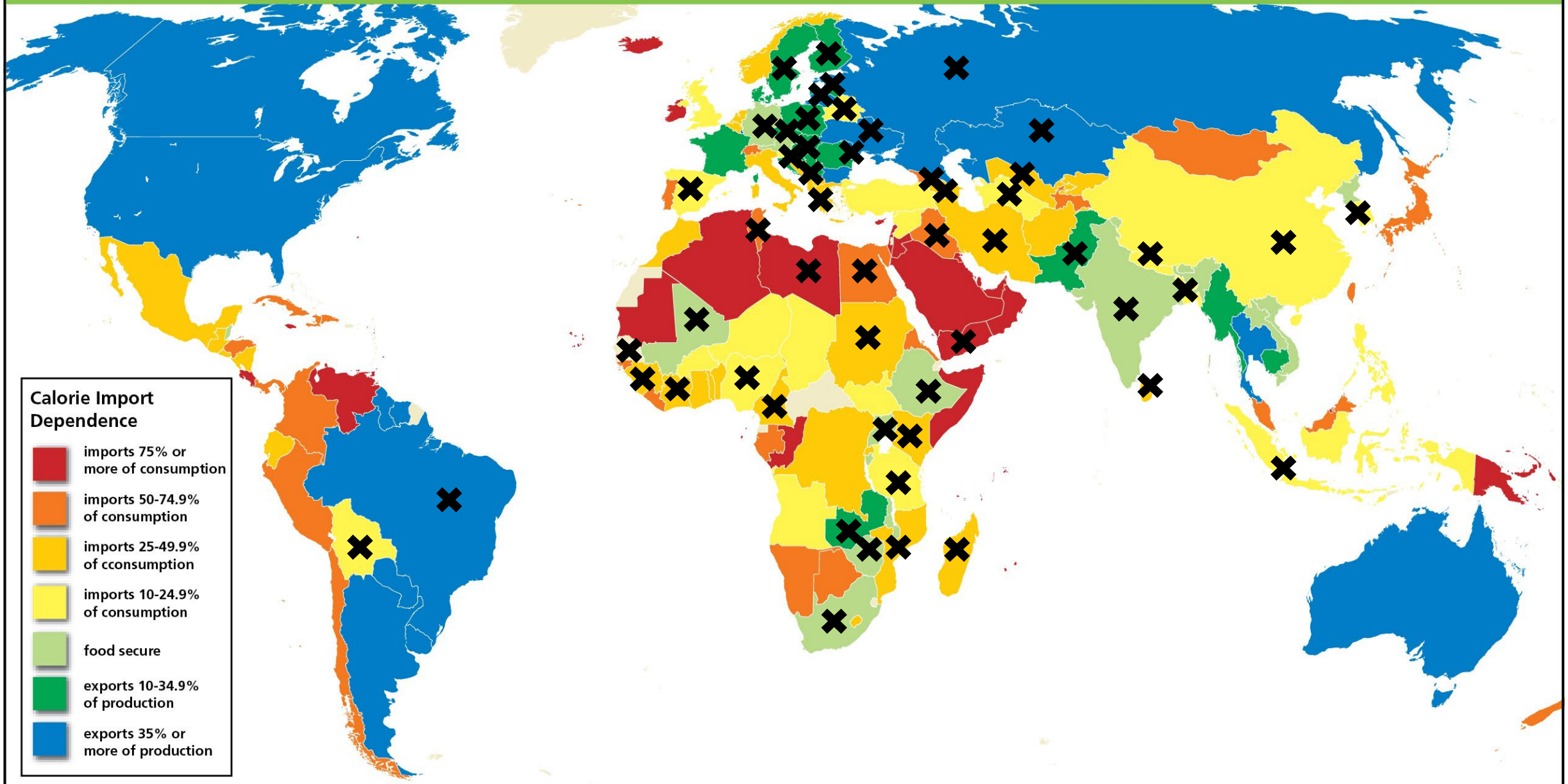

Natural Gas, LNG Regional Benchmarks
$/MMBtu
HH
Dutch TTF
Asia LNG
70
60
50
40
30
20
10
0
1/1/1990
1/1/1992
1/1/1994
1/1/1996
1/1/1998
1/1/2000
1/1/2002
1/1/2004
1/1/2006
1/1/2008
1/1/2010
1/1/2012
1/1/2014
1/1/2016
1/1/2018
1/1/2020
1/1/2022

Global Oil Exports and Future Risks



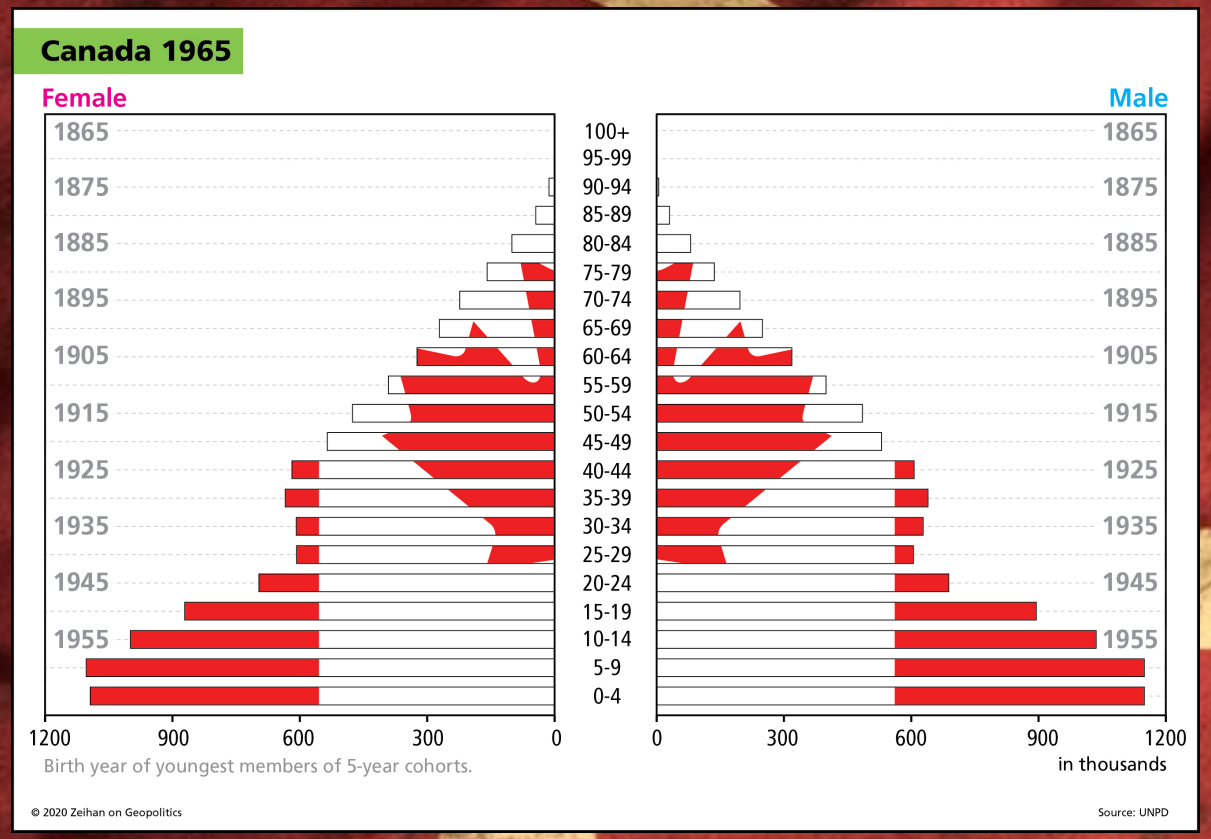
Sources: JODI, BP, OPEC, IMF, EIA

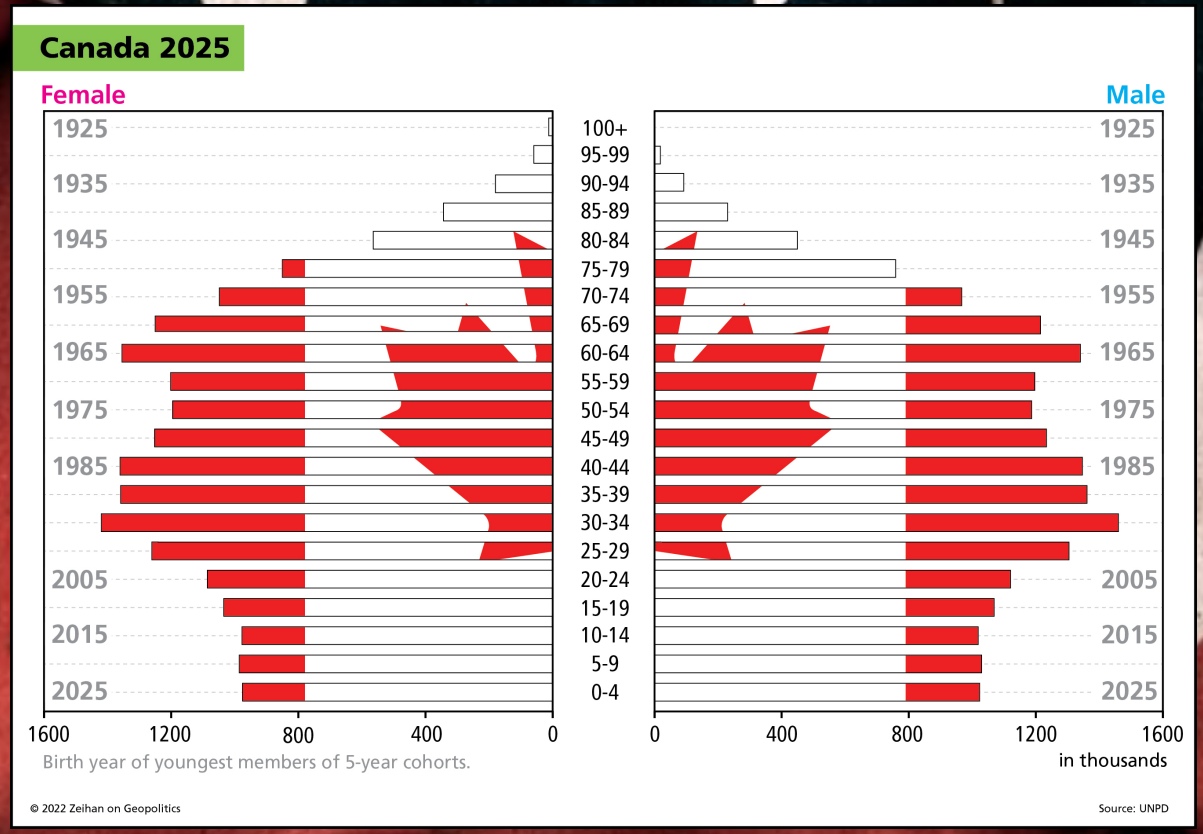
Food (In)Security



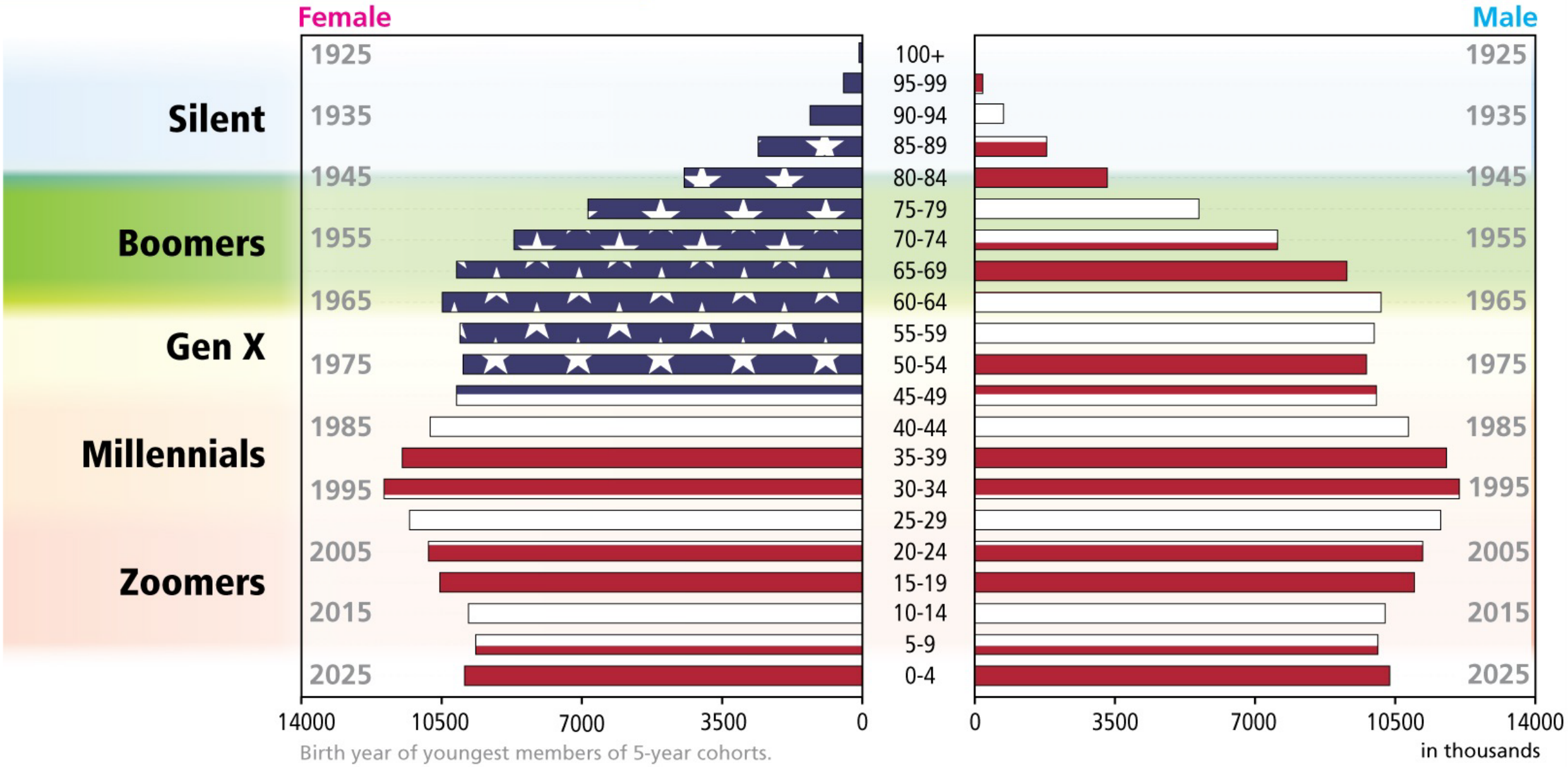
Trade and consumption of raw maize, wheat, rice, soybeans, and other minor grains for any purpose.

Sources: USDA FAS, UN FAO, and UNCOMTRADE

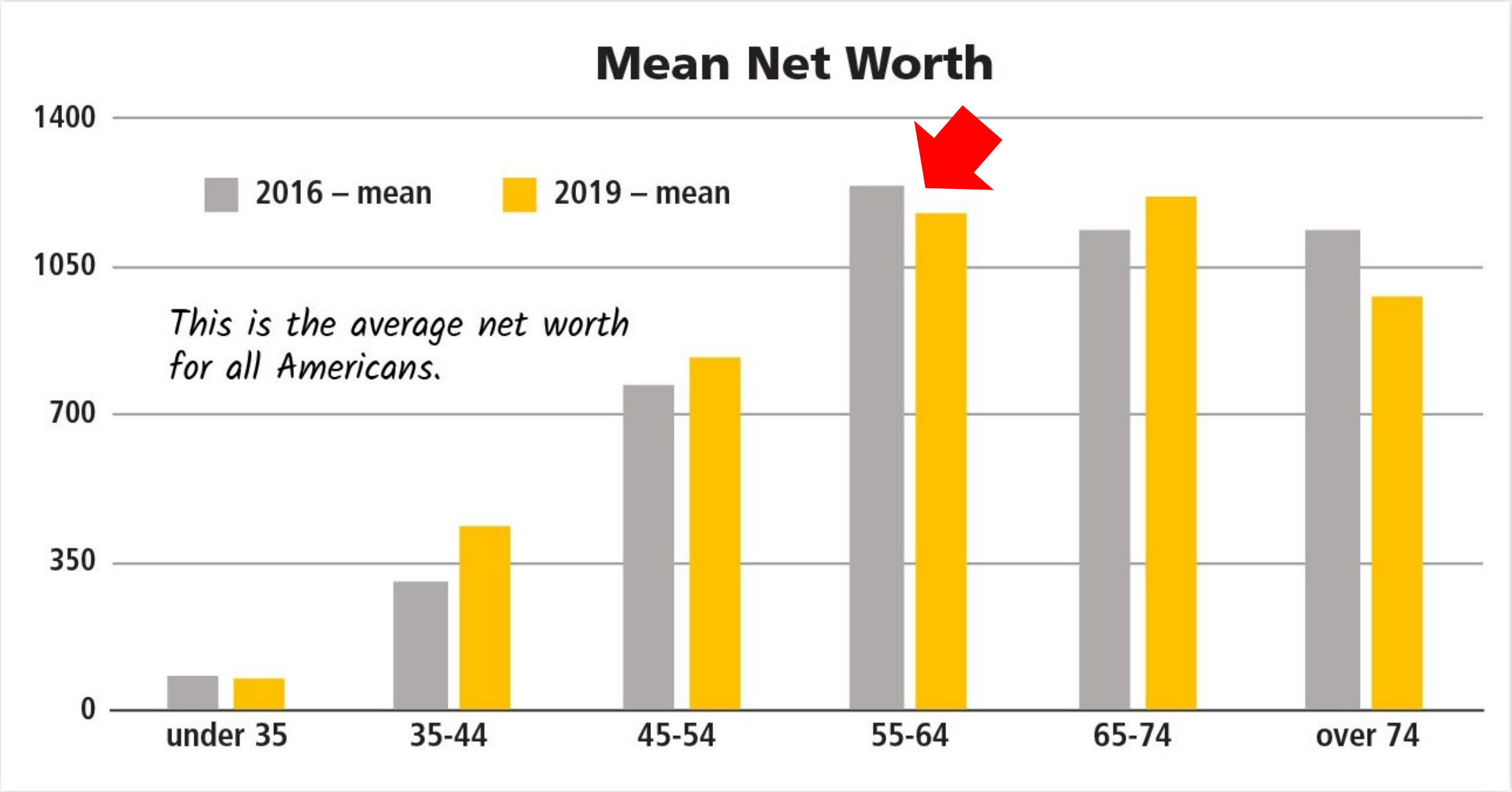

Canada 1965
Female
Male
1865
1875
1885
1895
1905
1915
1925
1935
1945
1955
100+
95-99
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4
1200
900
600
300
0
0
300
600
900
1200
in thousands
Birth year of youngest members of 5-year cohorts.
© 2020 Zeihan on Geopolitics
Source: UNPD

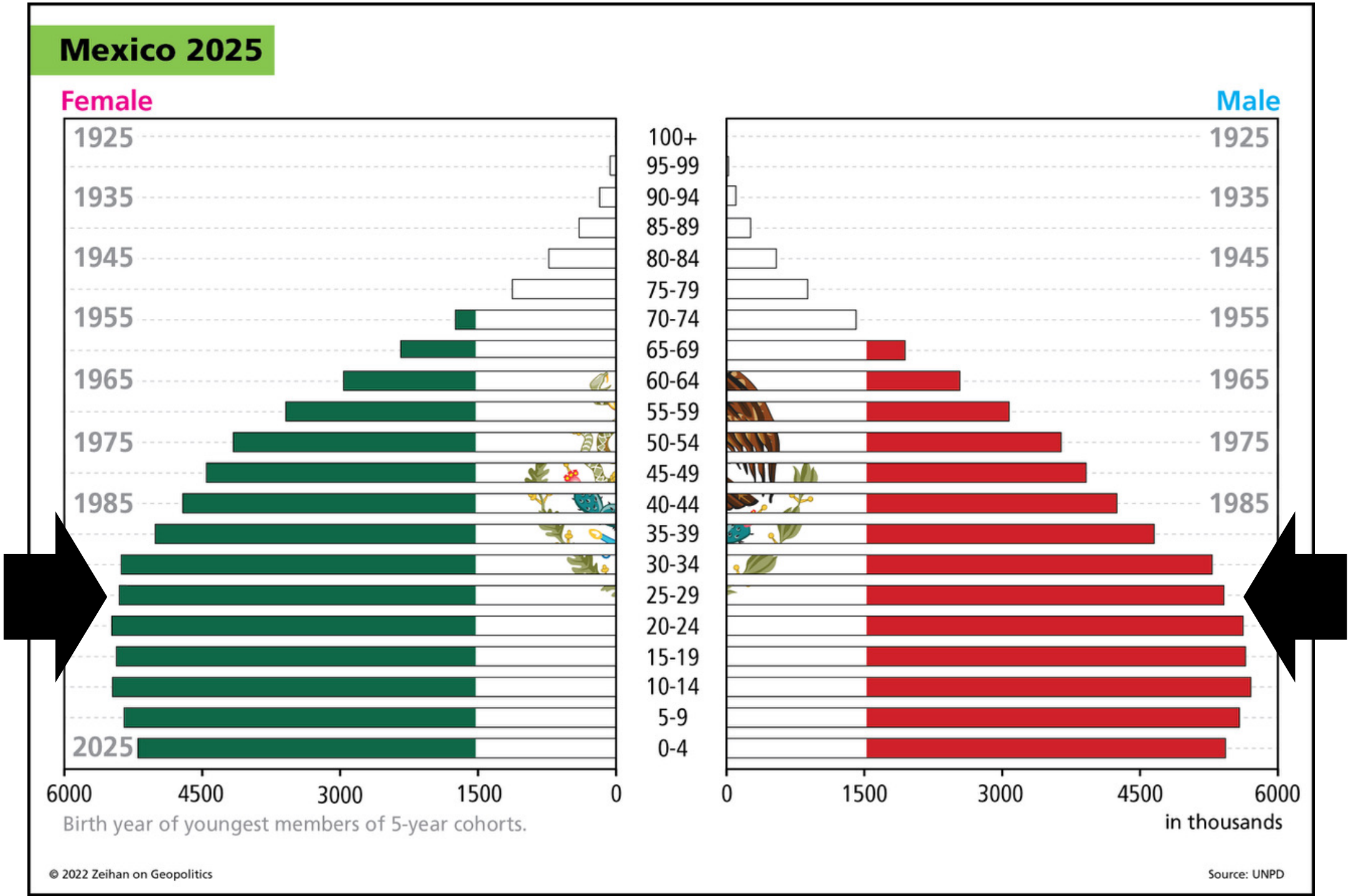

Canada 2025
Female
Male
1925
1935
1945
1955
1965
1975
1985
2005
2015
2025
100+
95-99
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4
1600
1200
800
400
0
0
400
800
1200
1600
in thousands
Birth year of youngest members of 5-year cohorts.
© 2022 Zeihan on Geopolitics
Source: UNPD

United States Demography 2025

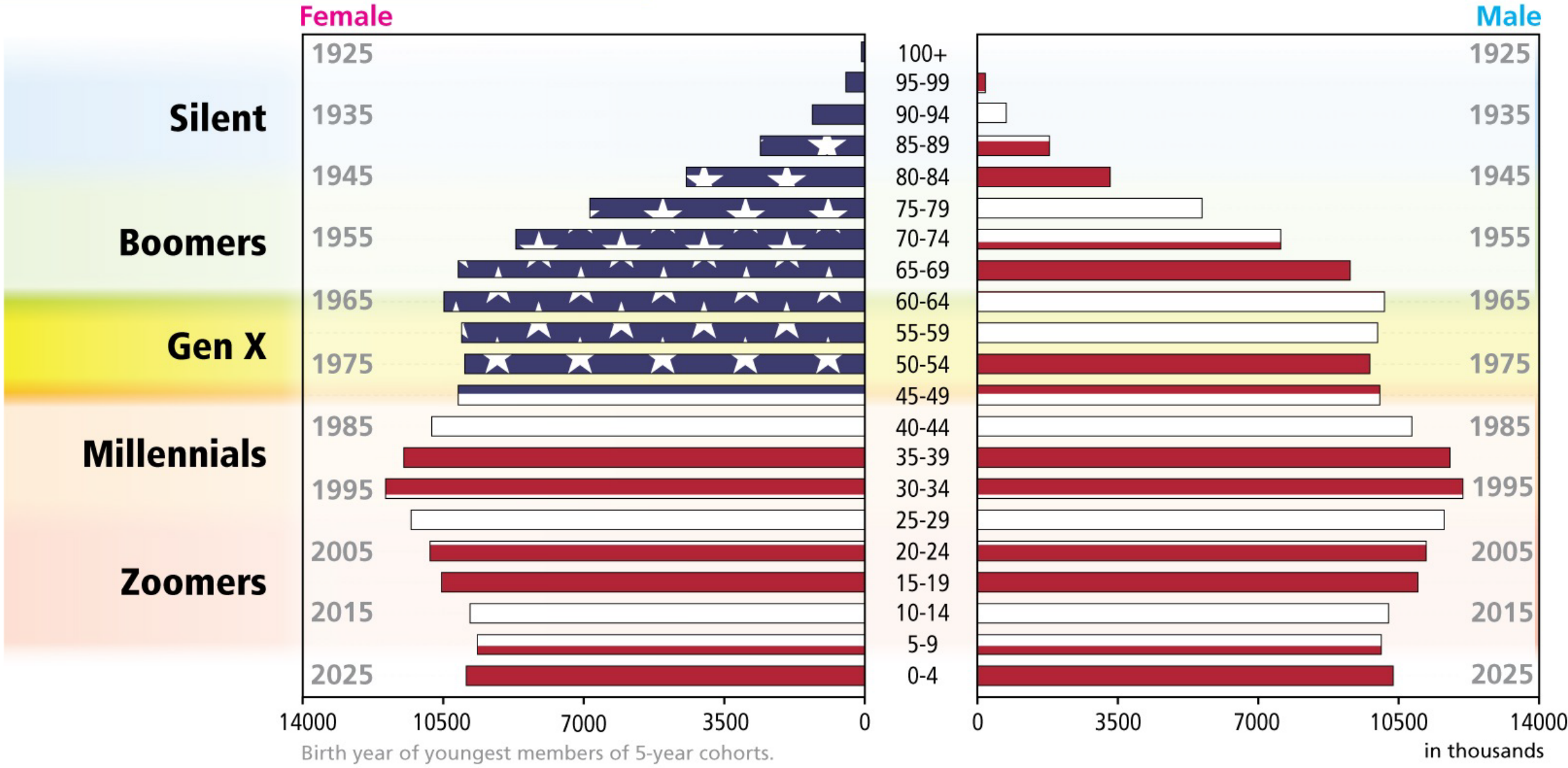


Source: UNPD


Mean Net Worth
1400
1050
700
350
0
2016 – mean
2019 – mean
This is the average net worth for all Americans.
under 35
35-44
45-54
55-64
65-74
over 74

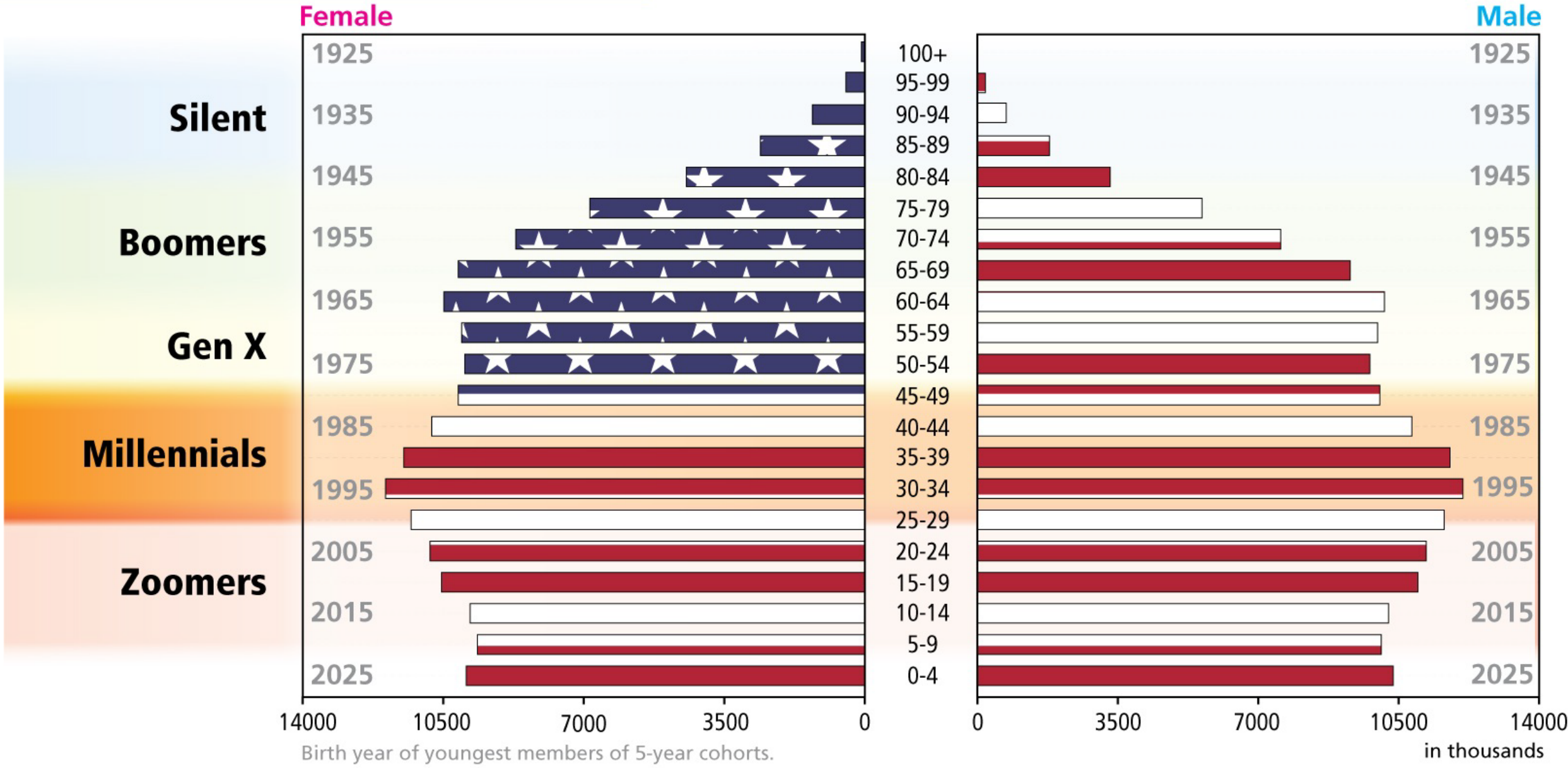

Mexico 2025
Female
Male
1925
1935
1945
1955
1965
1975
1985
2025
100+
95-99
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4
6000
4500
3000
1500
0
0
1500
3000
4500
6000
in thousands
Birth year of youngest members of 5-year cohorts.
© 2022 Zeihan on Geopolitics
Source: UNPD

United States Demography 2025



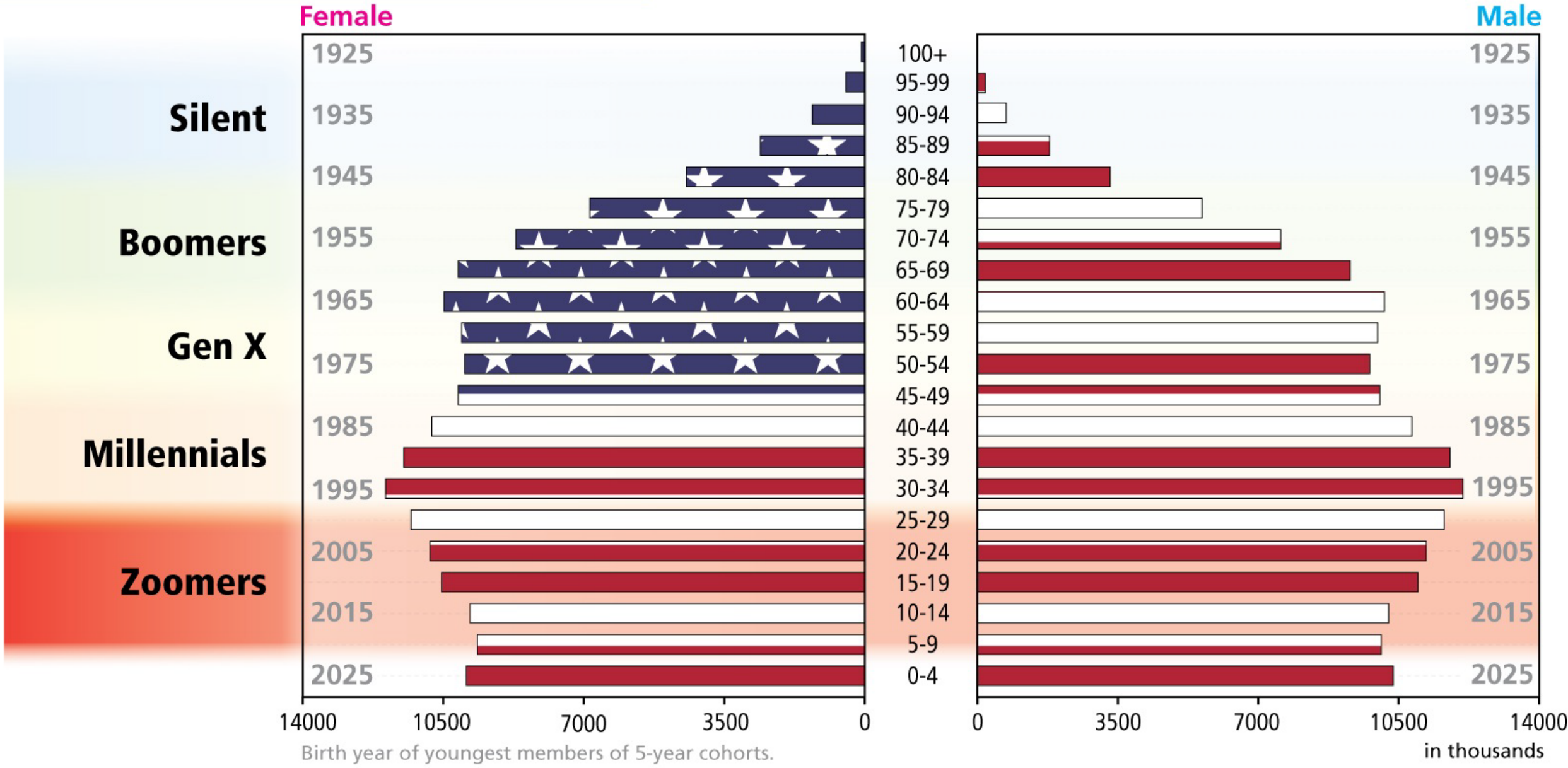
Source: UNPD

United States Demography 2025



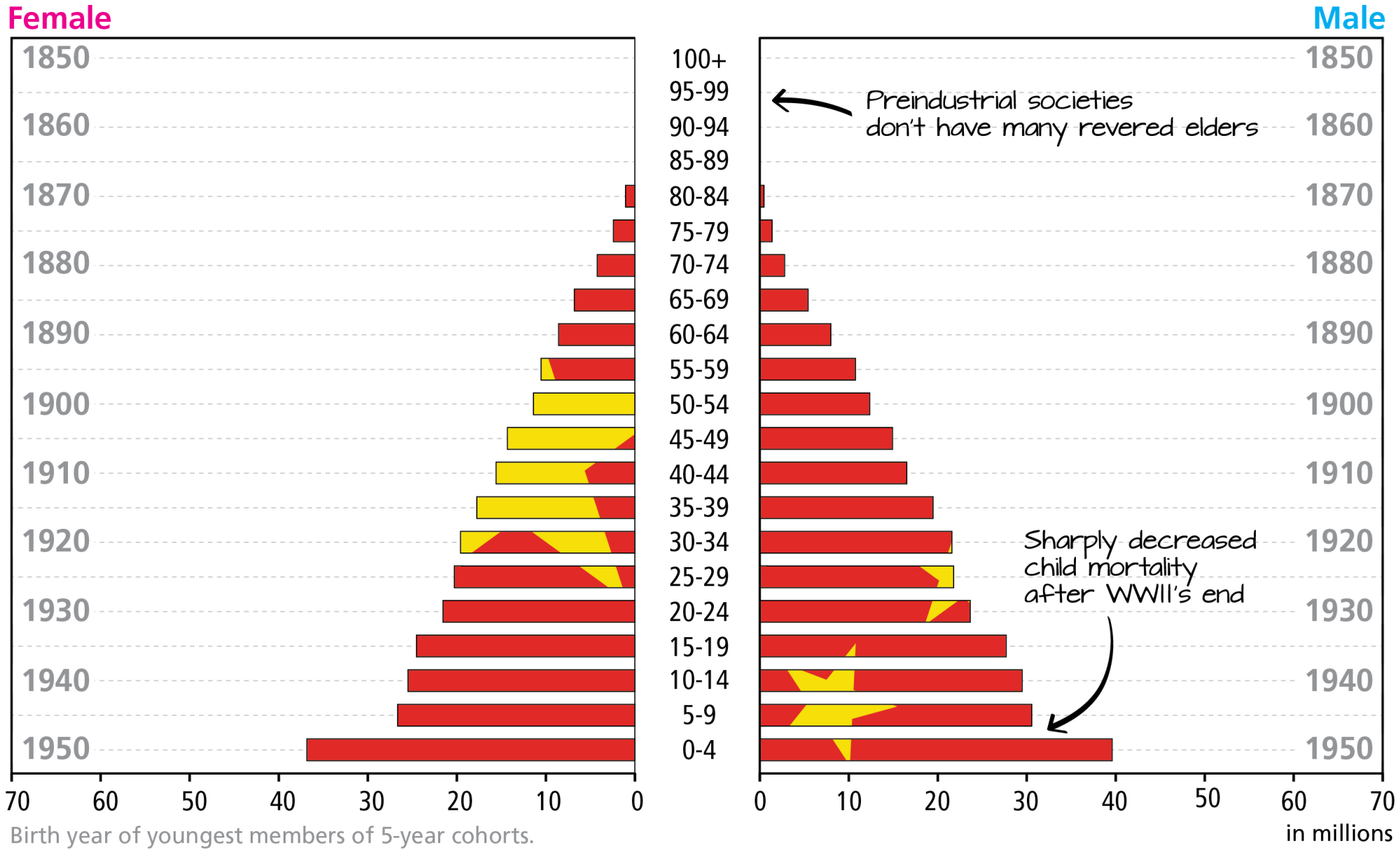
Source: UNPD

United States Demography 2025



Source: UNPD

China 1950

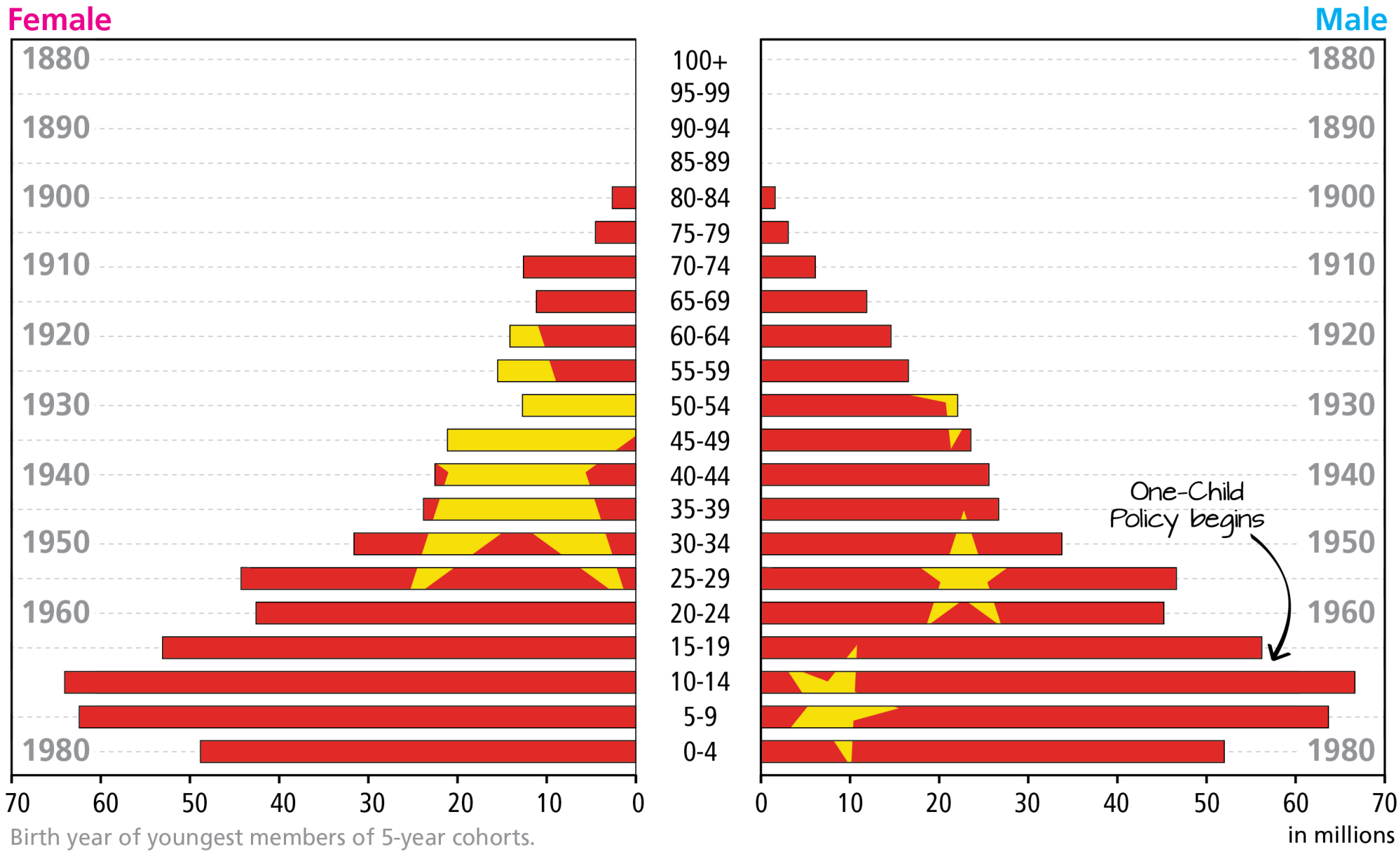


Birth year of youngest members of 5-year cohorts.

Source: UNPD, pulled December 2018

Includes HK and Macao

China 1980

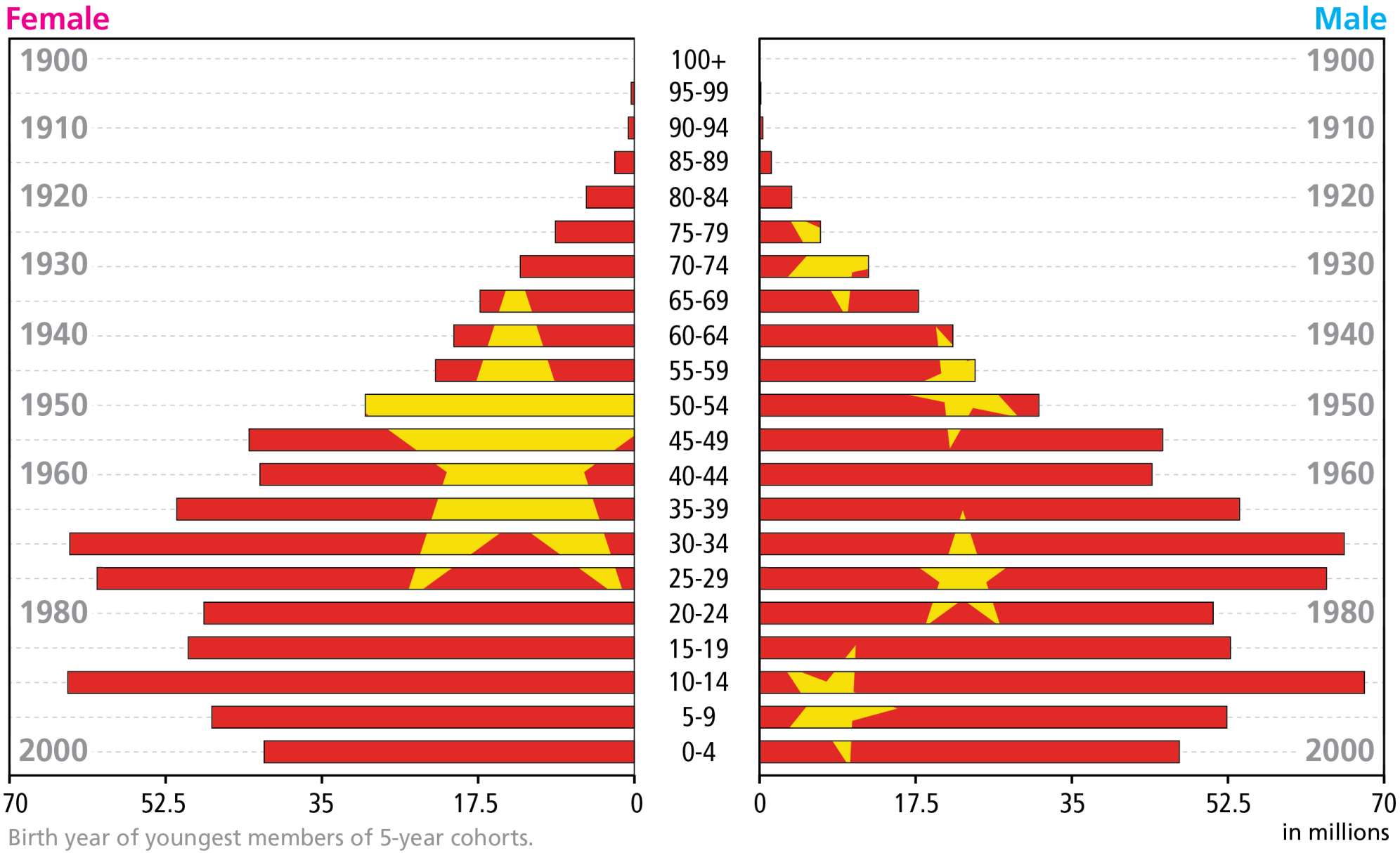


Birth year of youngest members of 5-year cohorts.

Source: UNPD, pulled December 2018

Includes HK and Macao

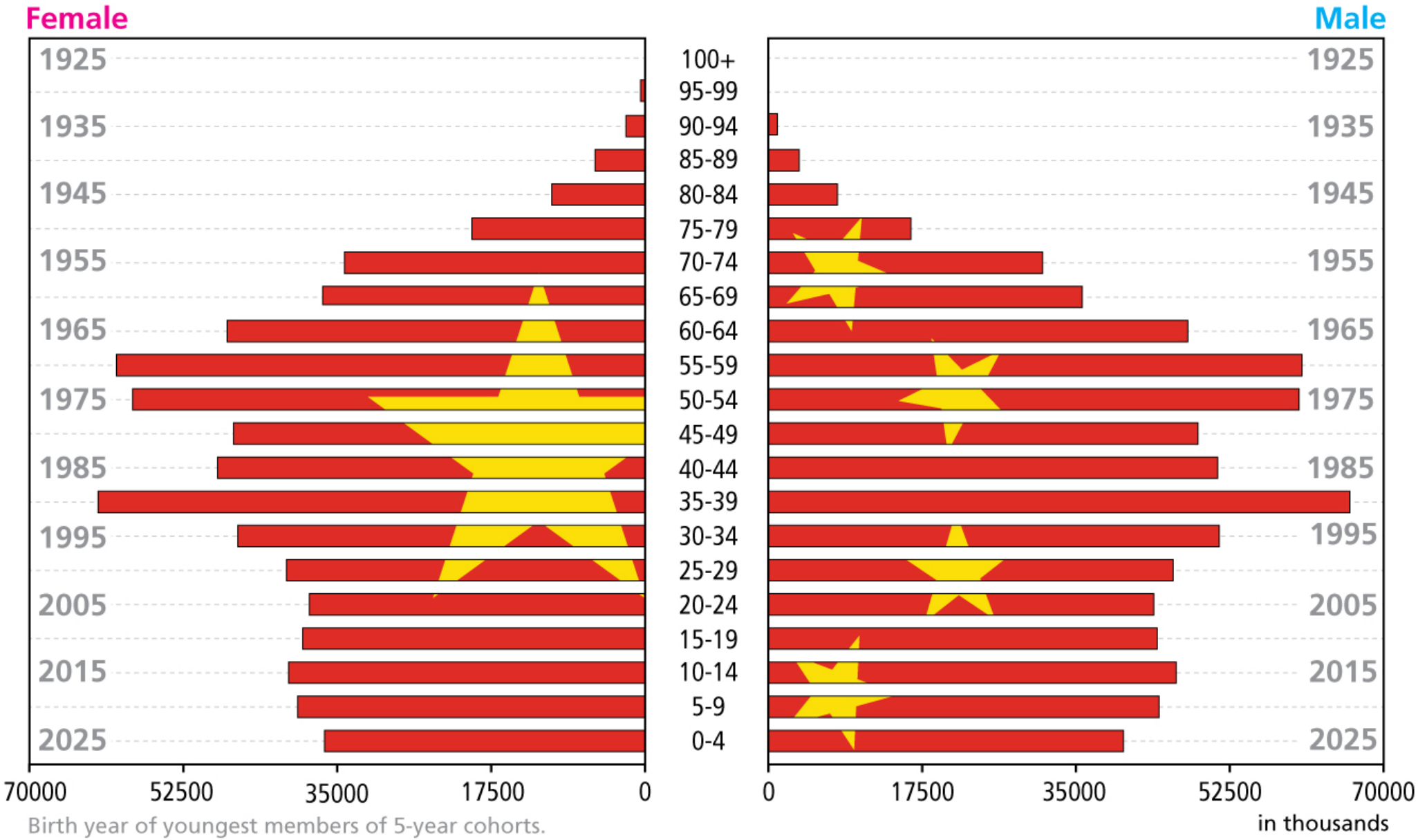
China 2000



Birth year of youngest members of 5-year cohorts.

Source: UN Population Division

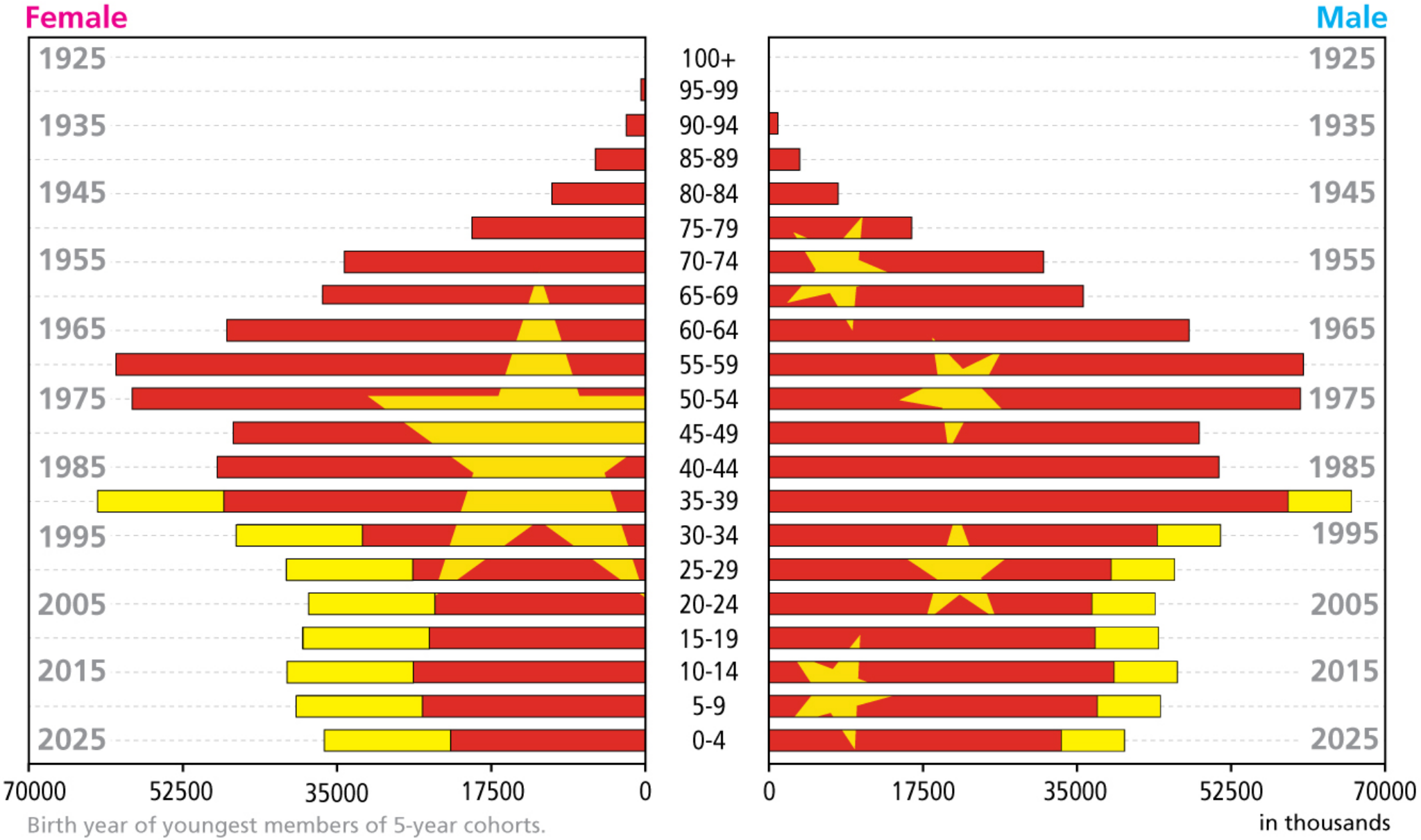
China 2025



Birth year of youngest members of 5-year cohorts.

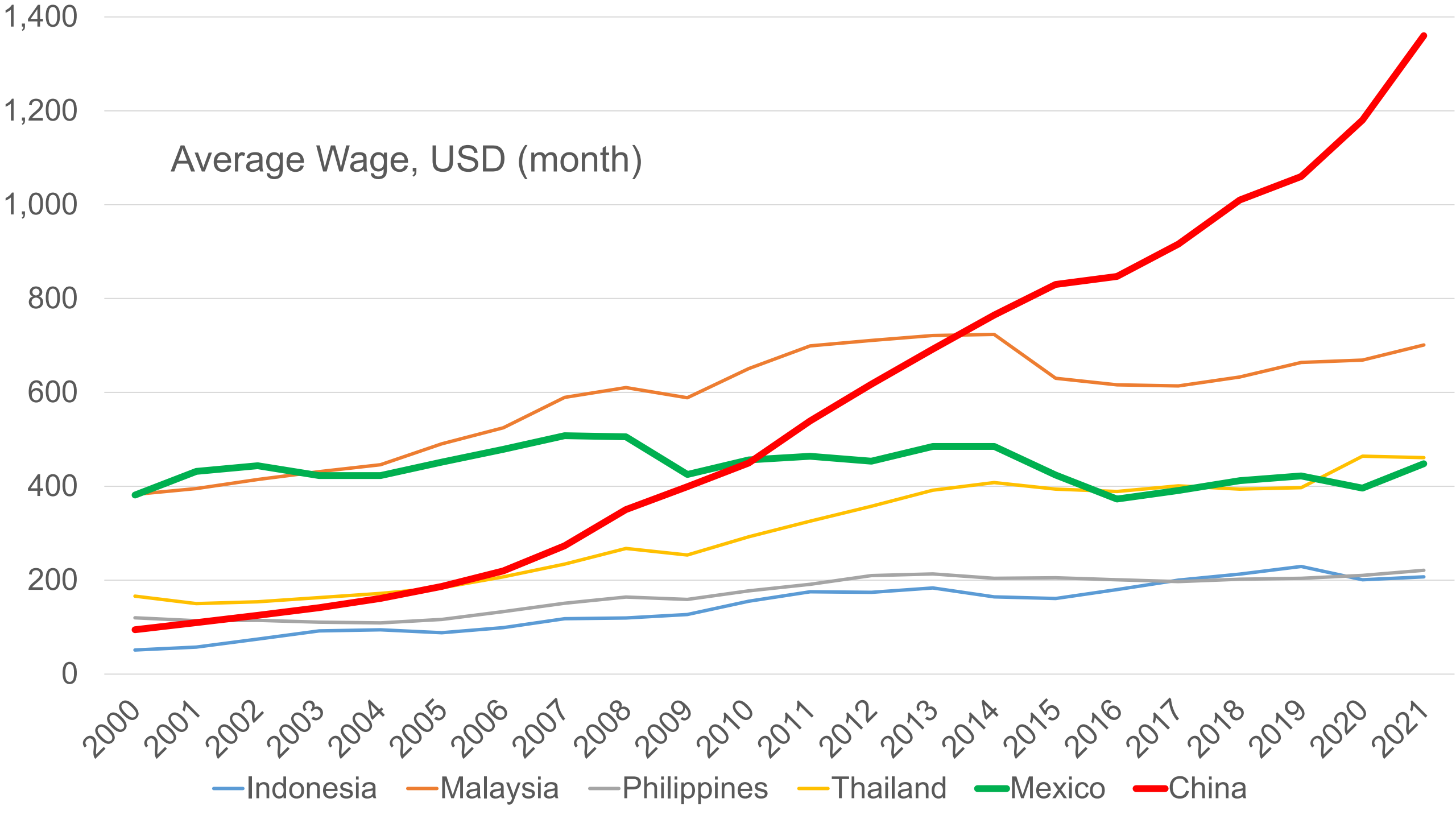
Source: UNPD

China 2025

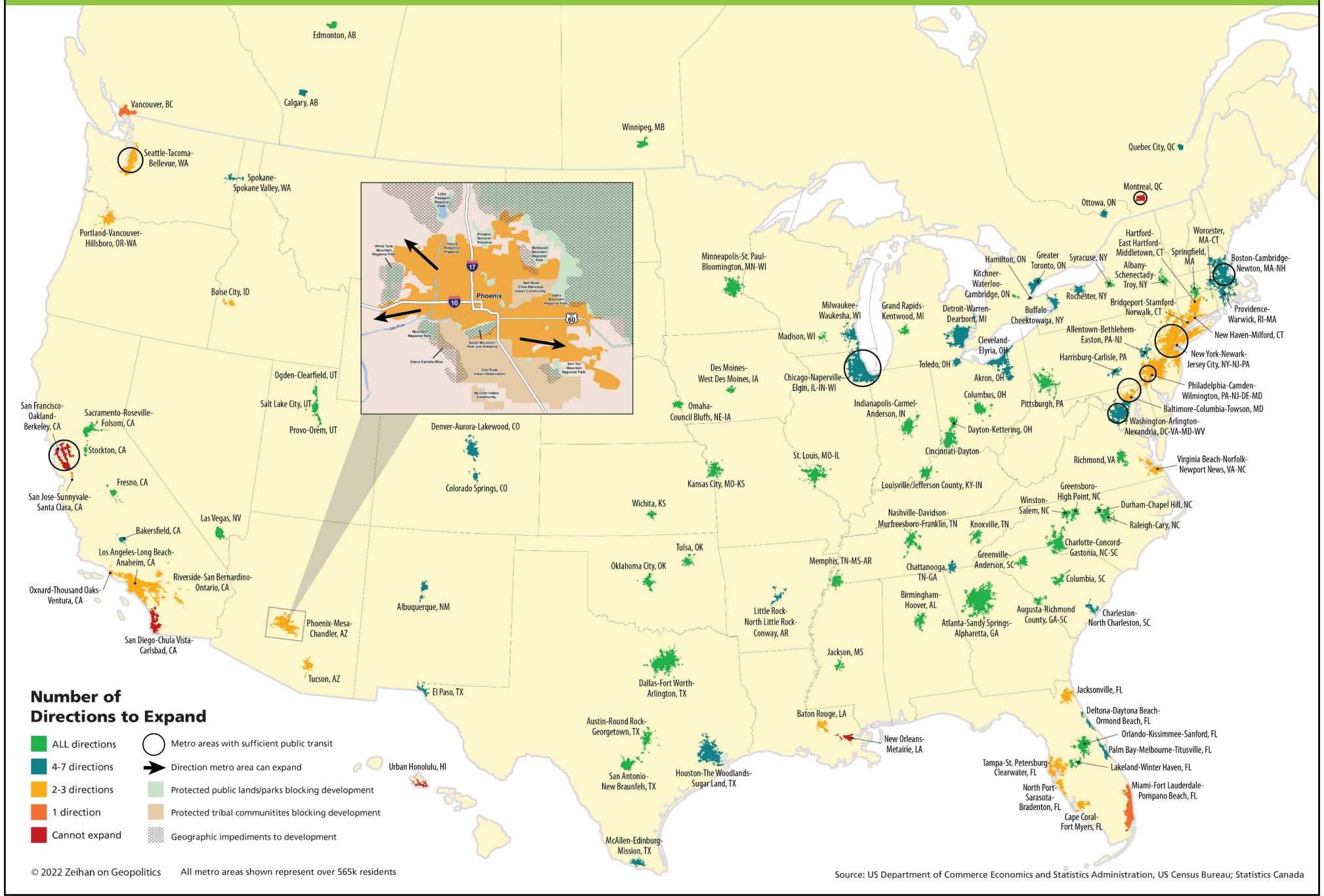


Birth year of youngest members of 5-year cohorts.

Source: UNPD

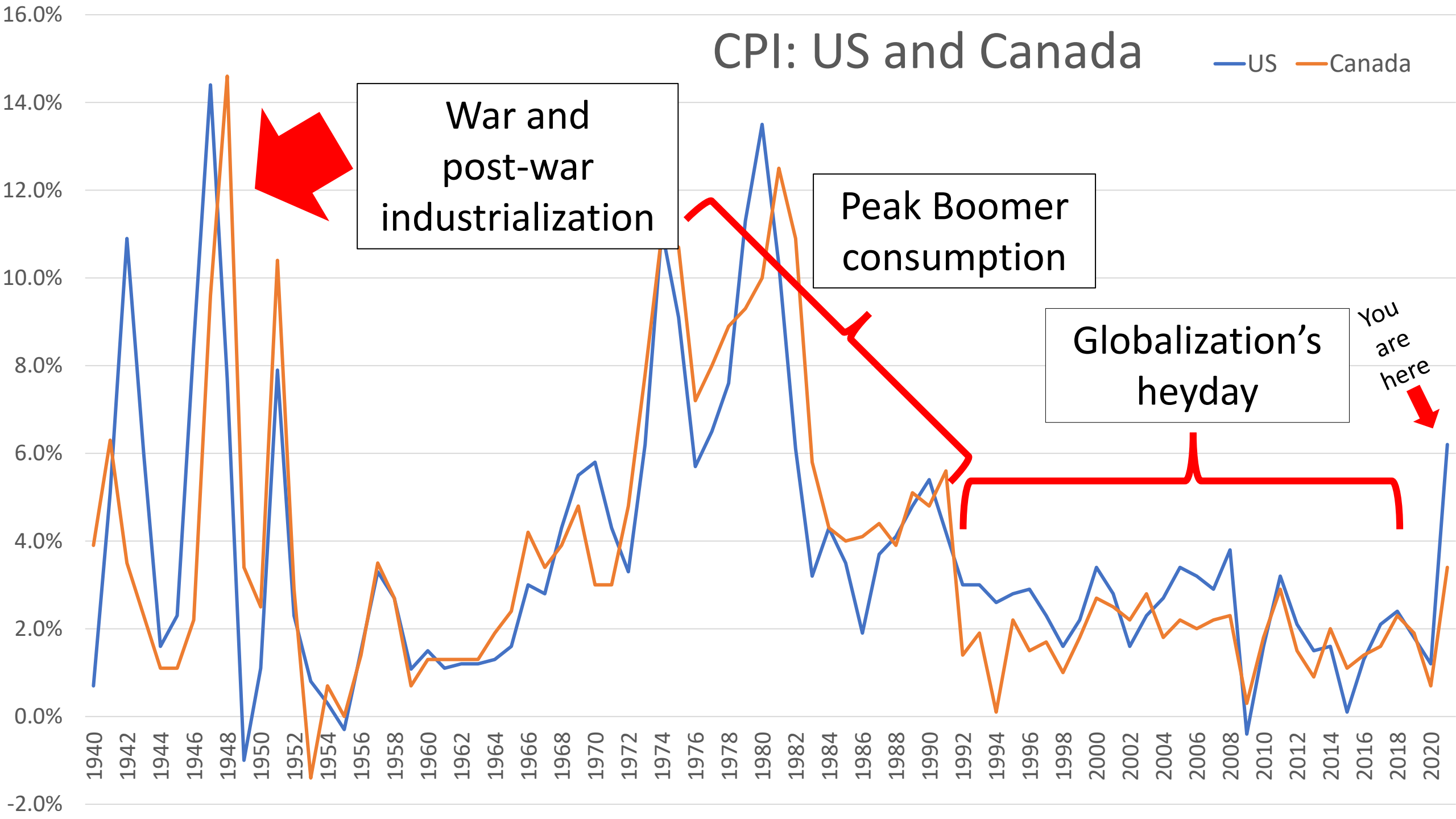

Average Wage, USD (month)
1,400
1,200
1,000
800
600
400
200
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Indonesia
Malaysia
Philippines
Thailand
Mexico
China

Potential for Metro Growth in Anglo-America



All metro areas shown represent over 565k residents

Source: US Department of Commerce Economics and Statistics Administration, US Census Bureau; Statistics Canada


CPI: US and Canada
US
Canada
War and post-war industrialization
Peak Boomer consumption
Globalization's heyday
You are here
16.0%
14.0%
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
-2.0%
1940
1942
1944
1946
1948
1950
1952
1954
1956
1958
1960
1962
1964
1966
1968
1970
1972
1974
1976
1978
1980
1982
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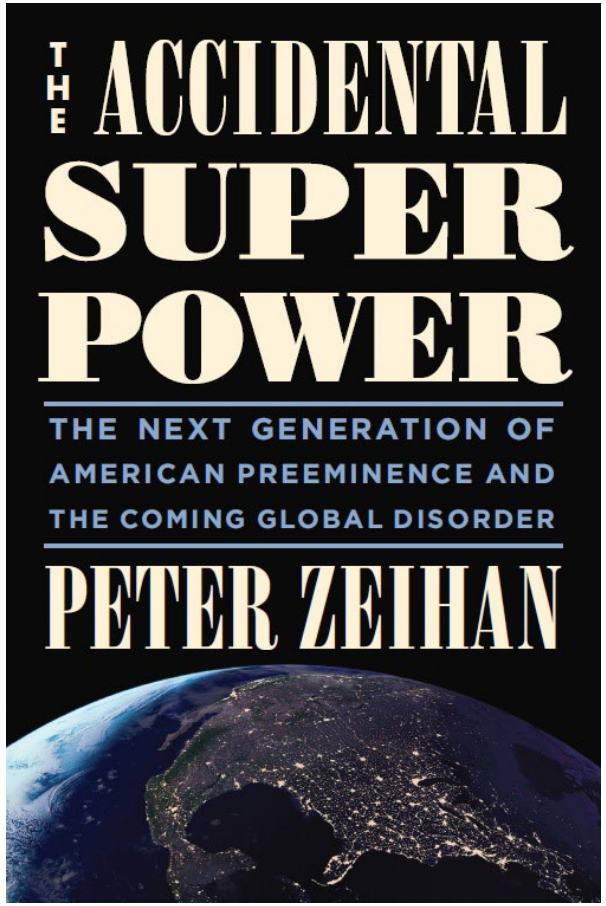
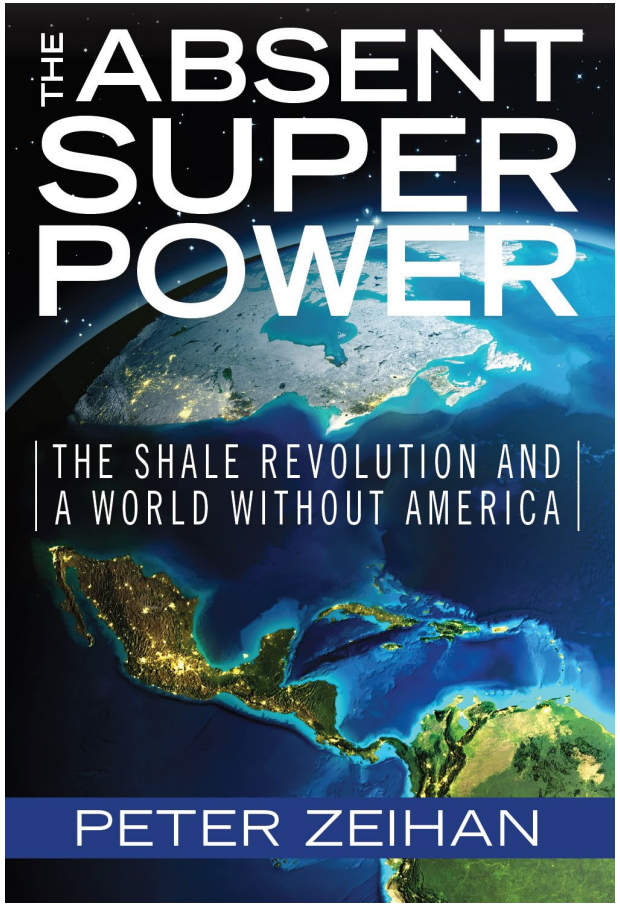
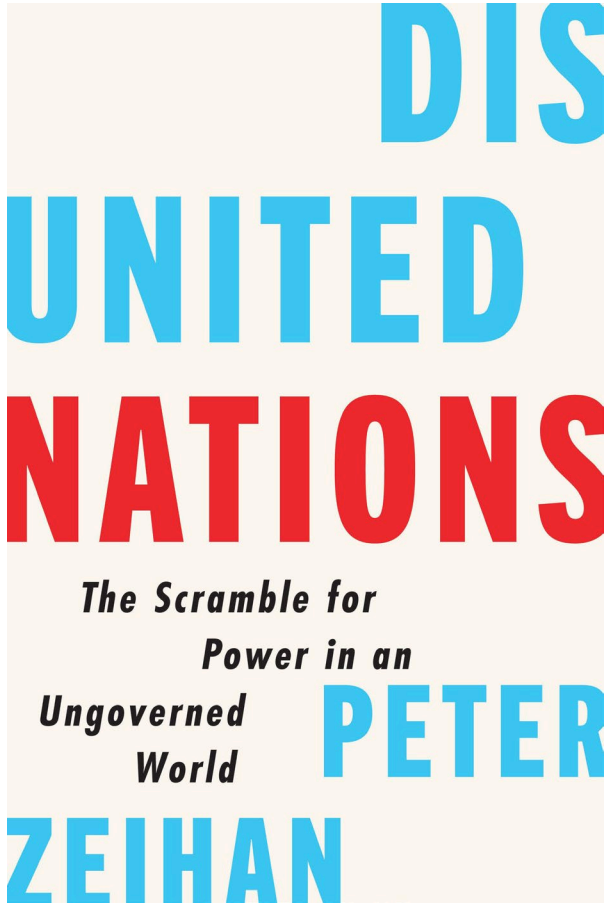
2010
2012
2014
2016
2018
2020







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afyafoundation.org

Full
Release
June 14!