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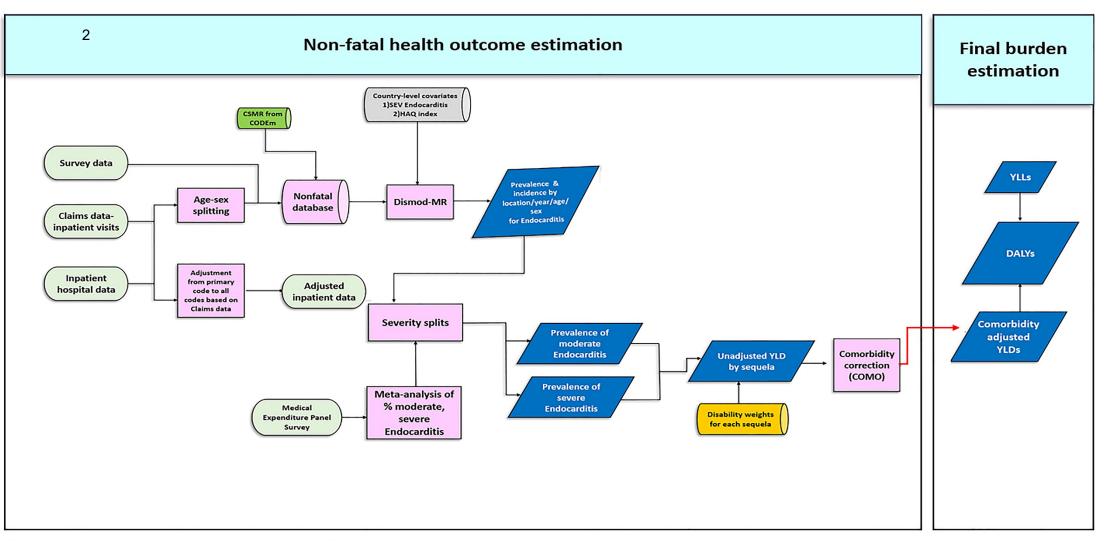
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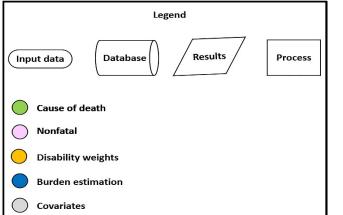
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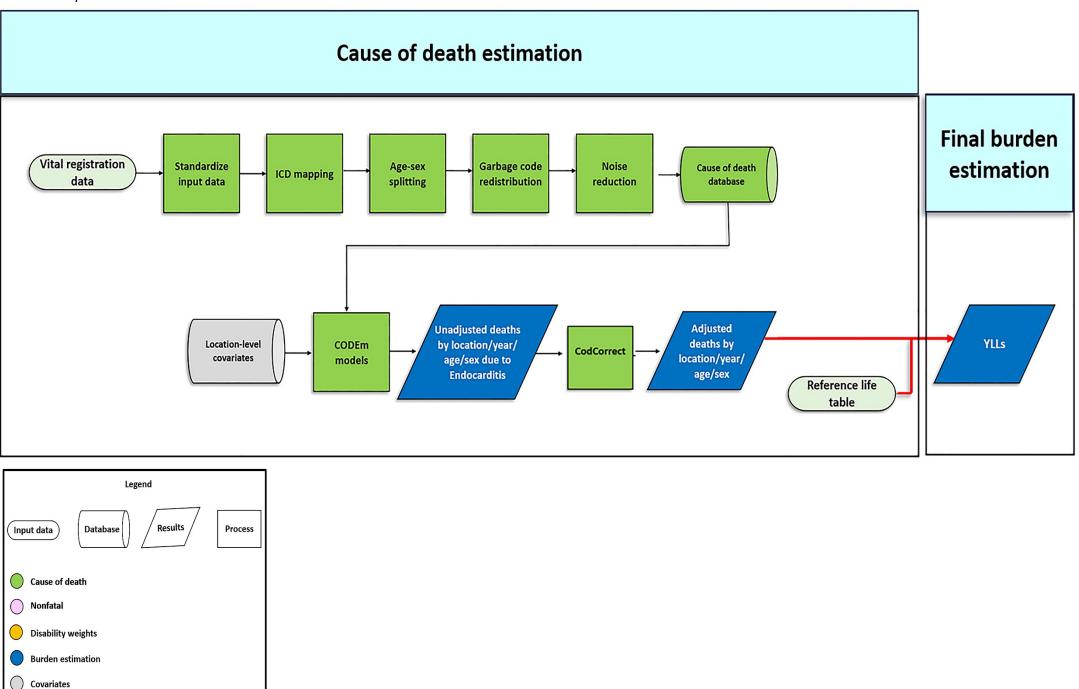
The flow-chart for estimation of non-fatal health outcome of infective endocarditis by The Institute for Health Metrics and Evaluation (IHME)





S2 Fig.

The flow-chart for estimation of fatal outcome of infective endocarditis by The Institute for Health Metrics and Evaluation (IHME)

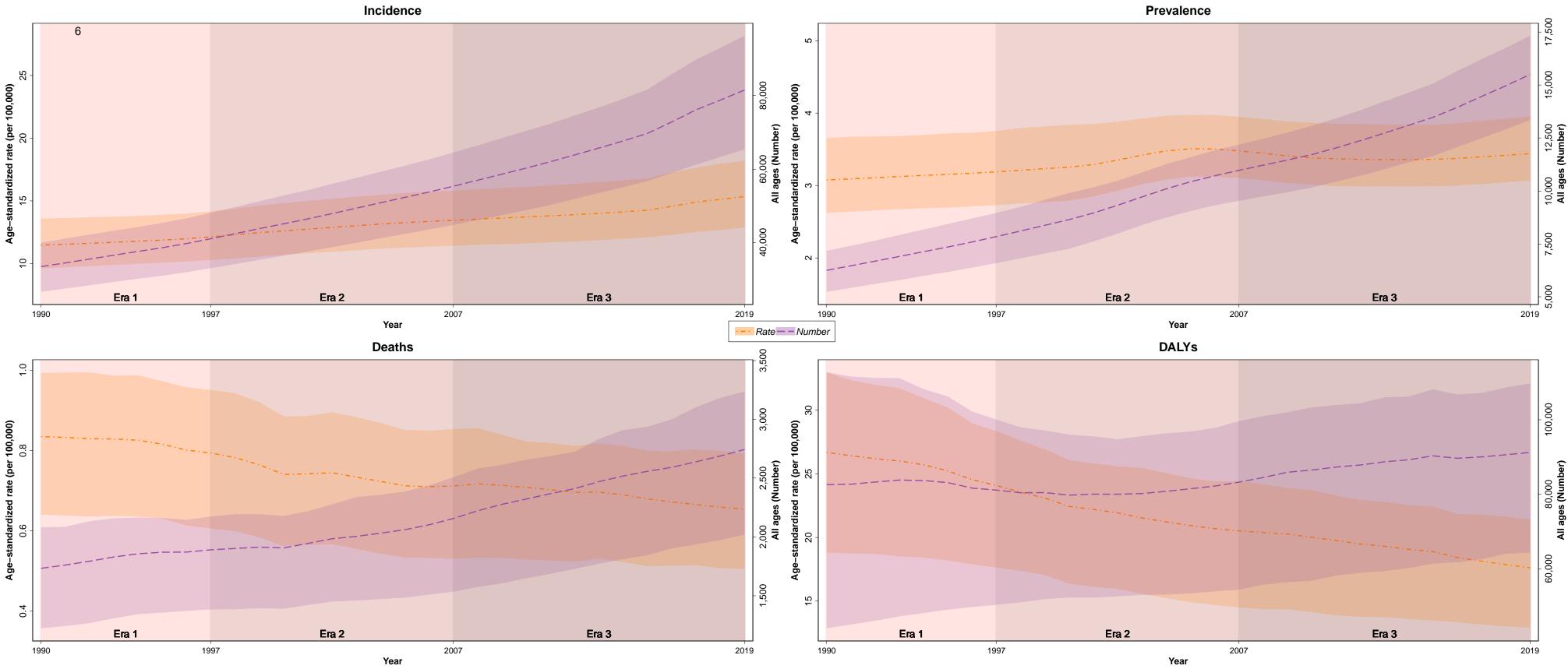


S3 Fig.

The temporal trend of age-standardized incidence, prevalence, deaths, and DALYs of infective endocarditis in North Africa and the

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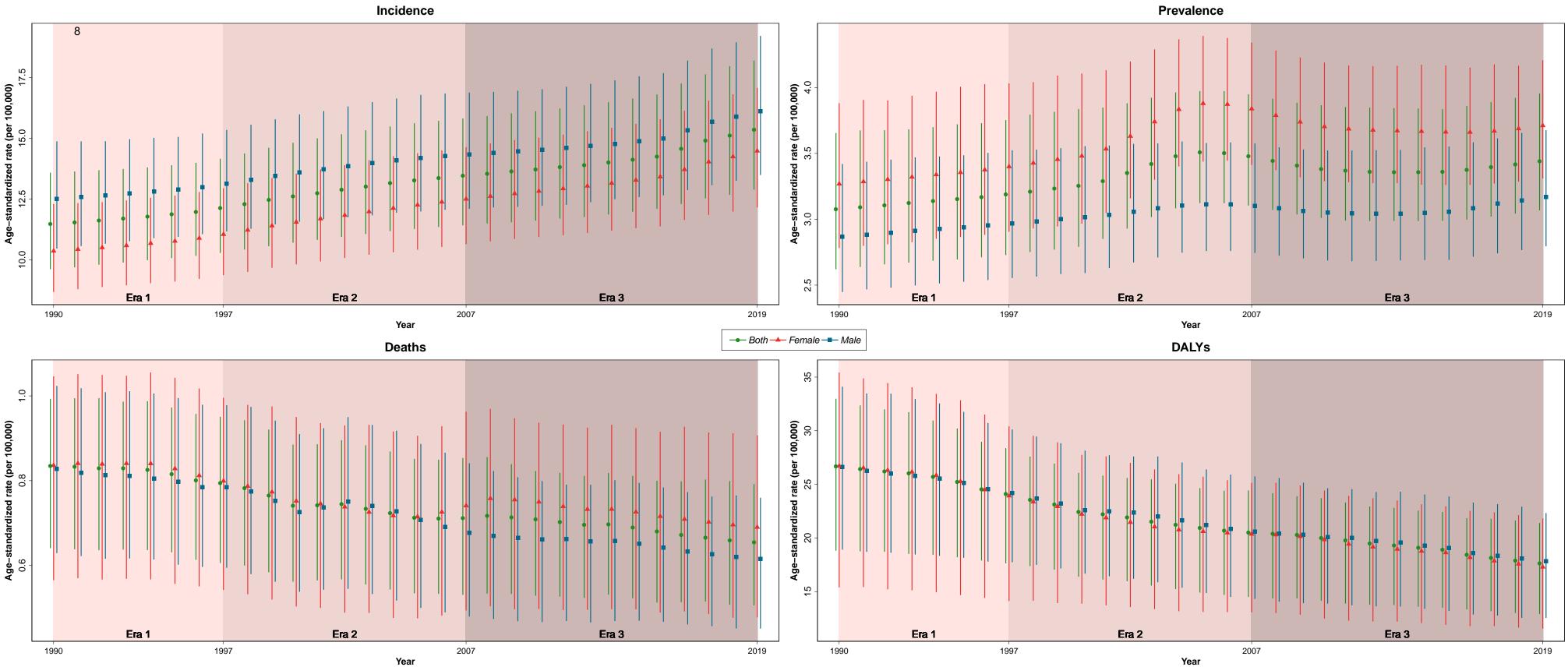




S4 Fig.

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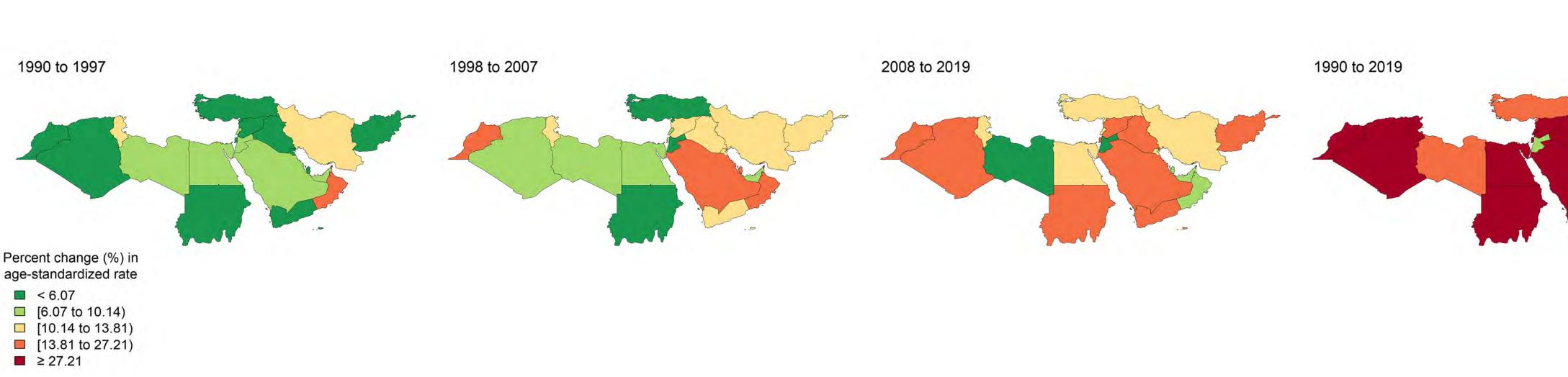


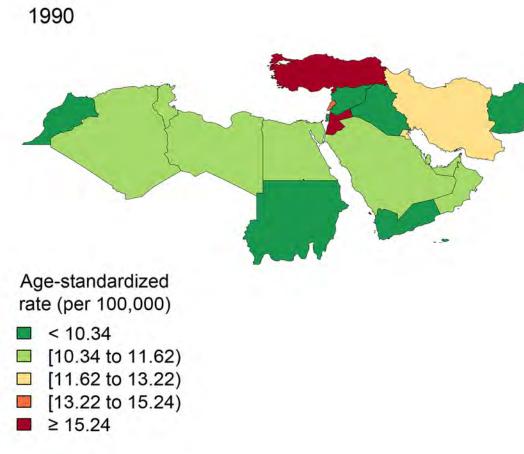
S5 Fig.

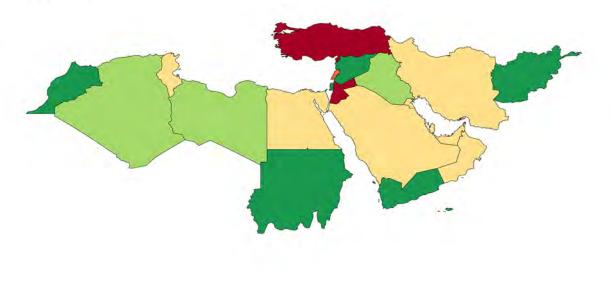
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Contains information from OpenStreetMap and OpenStreetMap Foundation, which is made available under the Open Database

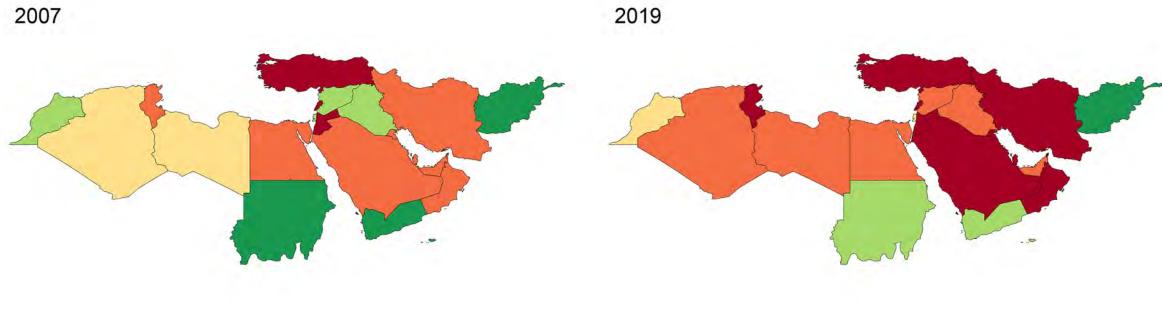
License.







Incidence



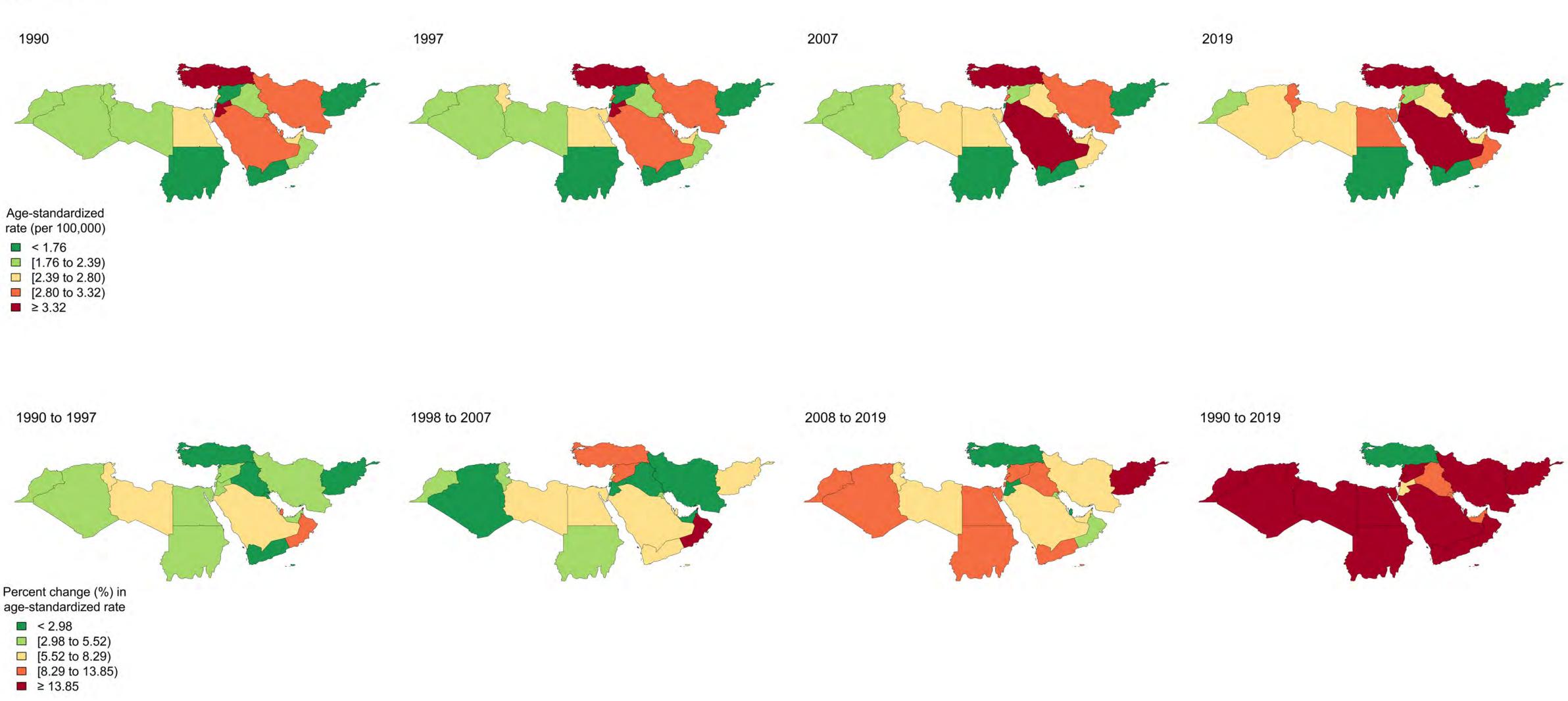
S6 Fig.

Upper panel: Age-standardized prevalence rate (per 100,000) of infective endocarditis for the nations of North Africa and the Middle

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Africa and the Middle East from 1990 to 1997, 1998 to 2007, and 2008 to 2019

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Prevalence

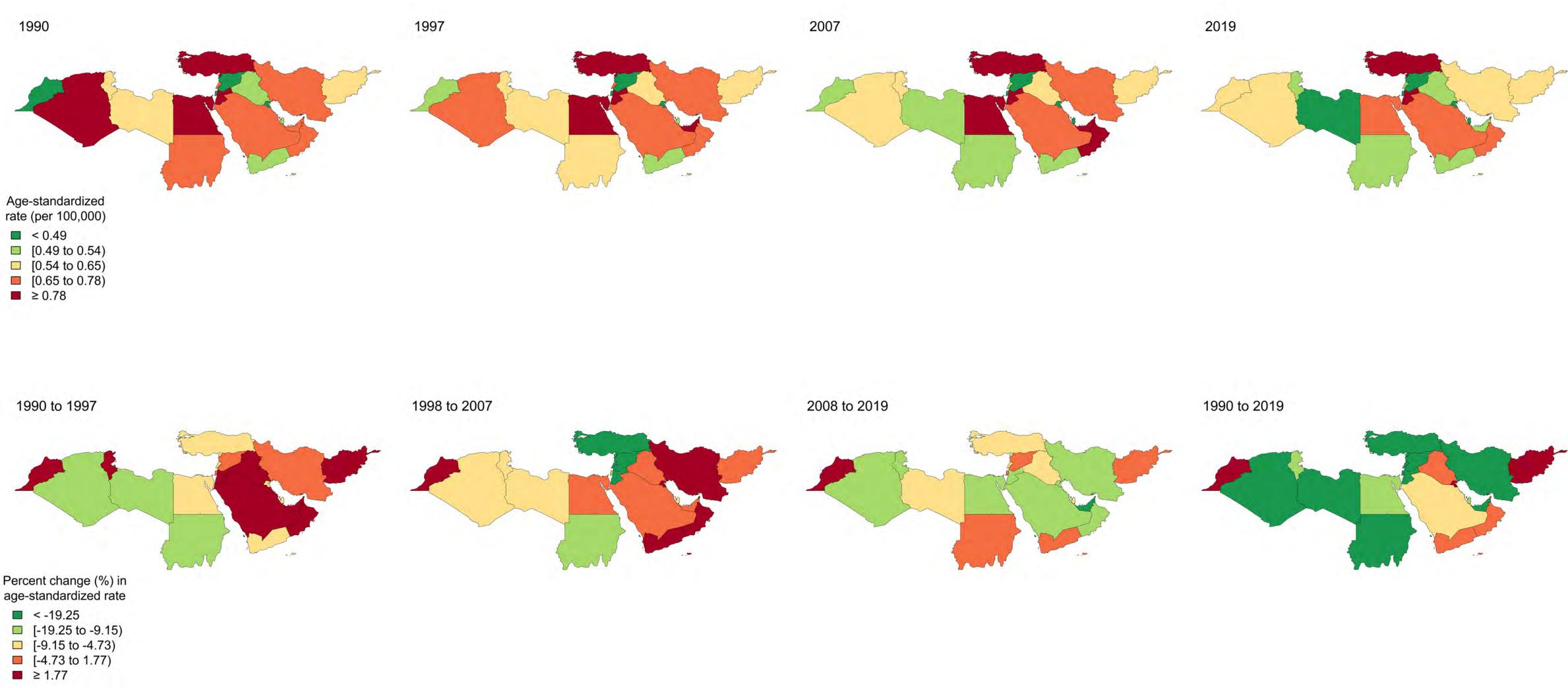
S7 Fig.

Upper panel: Age-standardized death rate (per 100,000) of infective endocarditis for the nations of North Africa and the Middle East in

1990, 1997, 2007, and 2019; Lower panel: percentage changes (%) in age-standardized death rate for the countries of North Africa and

the Middle East from 1990 to 1997, 1998 to 2007, and 2008 to 2019

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Deaths

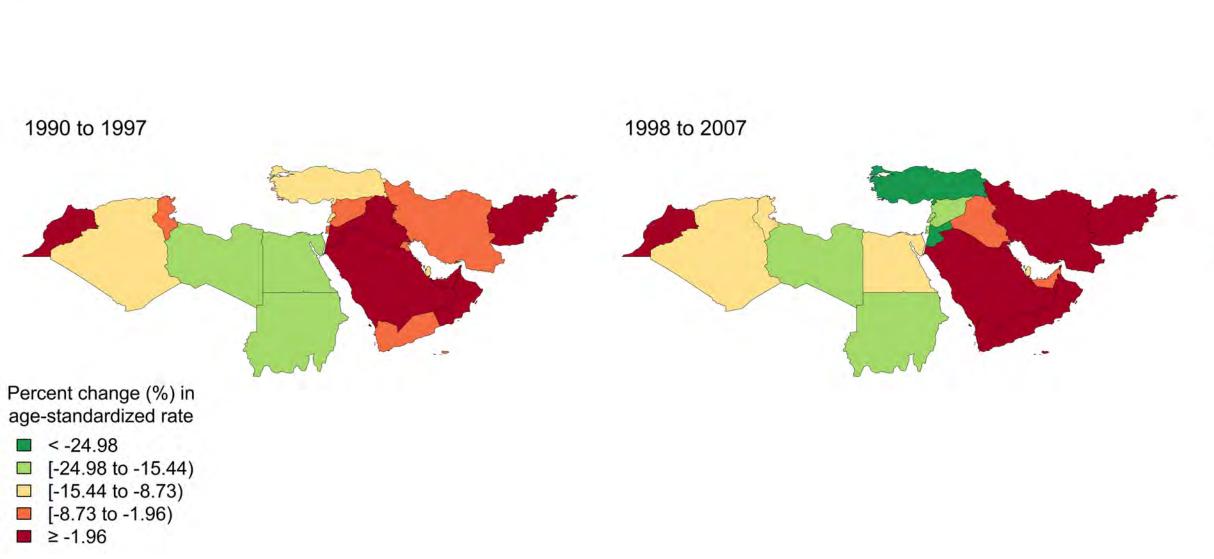
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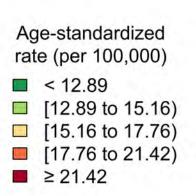
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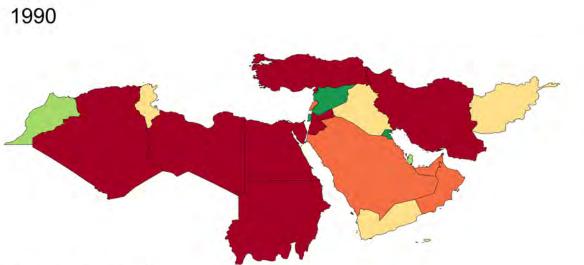
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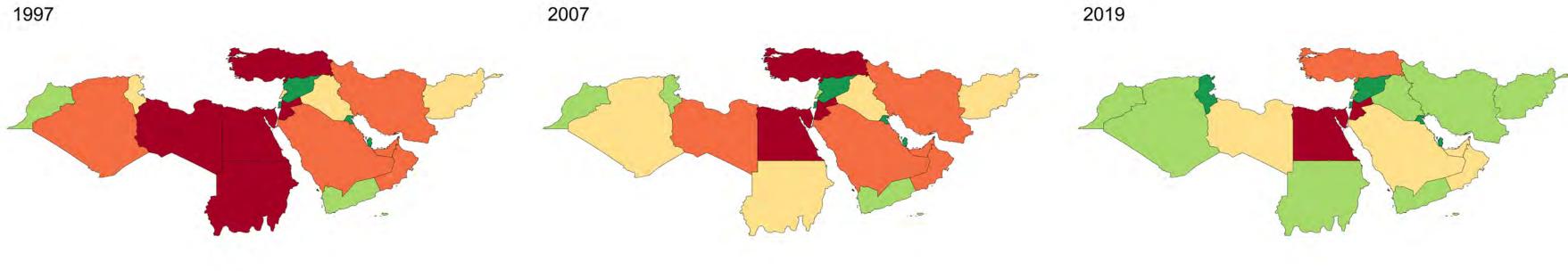
Africa and the Middle East from 1990 to 1997, 1998 to 2007, and 2008 to 2019

Contains information from OpenStreetMap and OpenStreetMap Foundation, which is made available under the Open Database License.

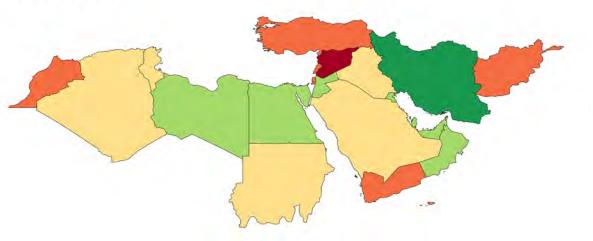




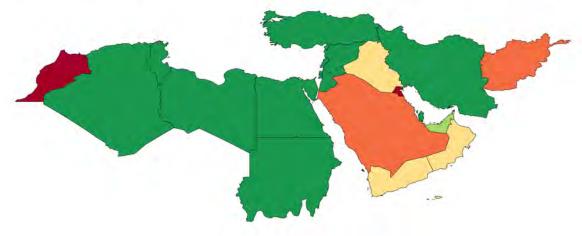




16 DALYs



2008 to 2019



1990 to 2019

2019

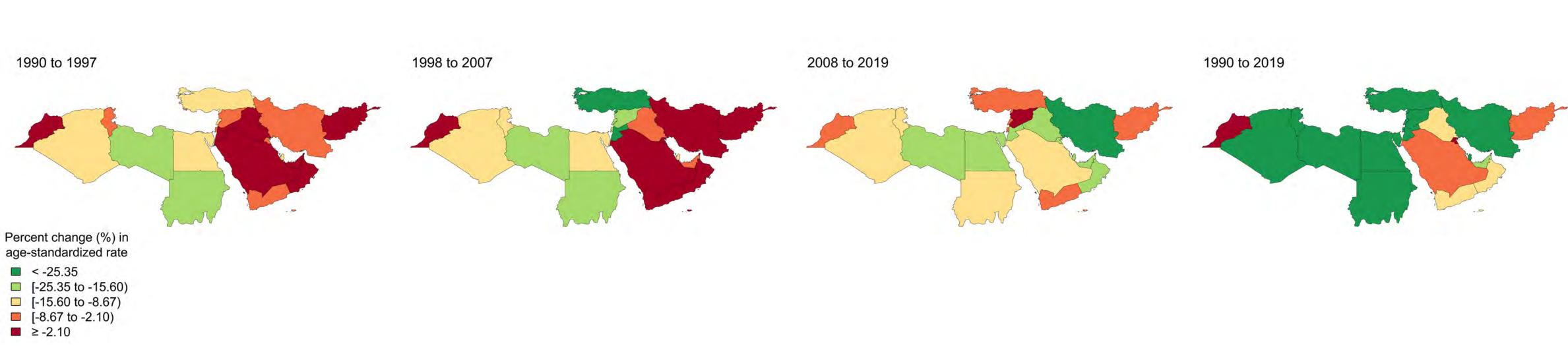
S9 Fig.

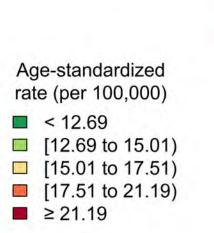
Upper panel: Age-standardized rate (per 100, 000) of YLLs of infective endocarditis for the nations of North Africa and the Middle East

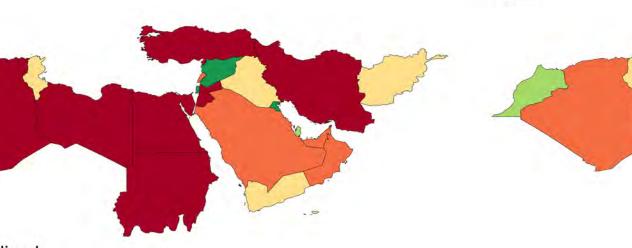
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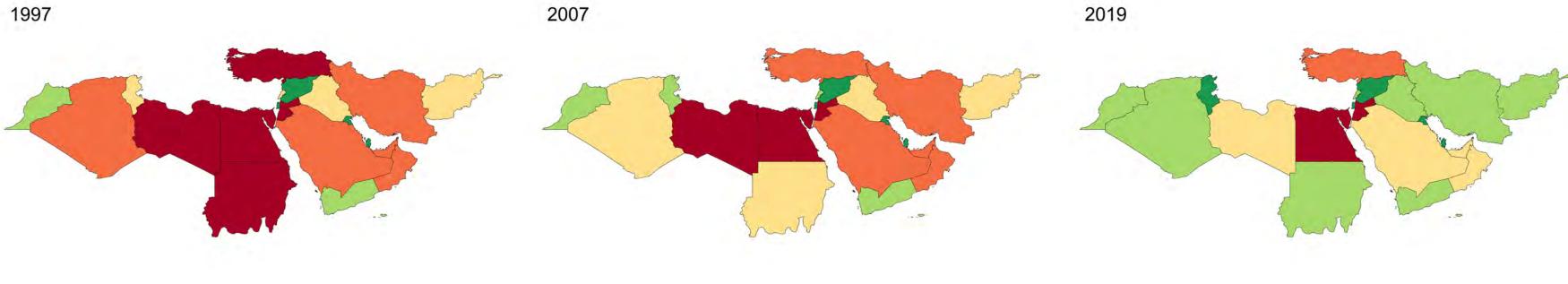
and the Middle East from 1990 to 1997, 1998 to 2007, and 2008 to 2019

Contains information from OpenStreetMap and OpenStreetMap Foundation, which is made available under the Open Database License.









YLLs

S10 Fig.

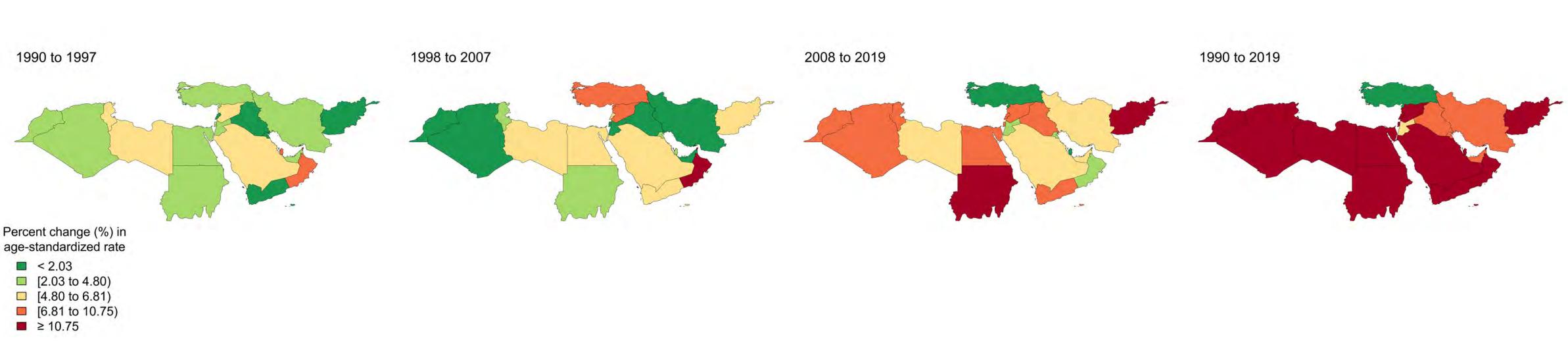
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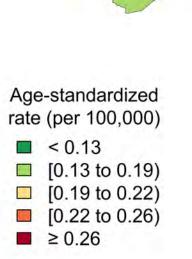
East in 1990, 1997, 2007, and 2019; Lower panel: Percentage changes (%) in age-standardized rate (per 100, 000) of YLDs in North

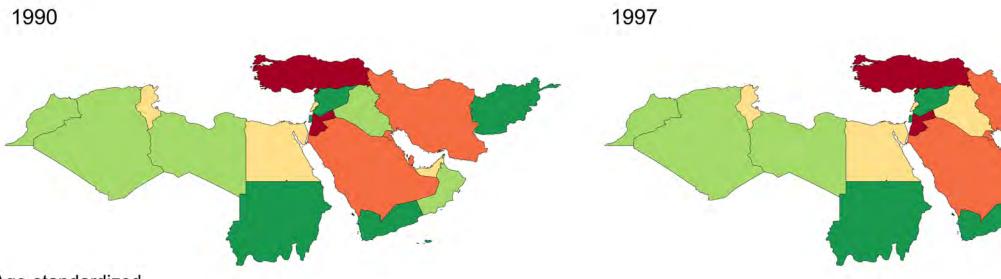
Africa and the Middle East from 1990 to 1997, 1998 to 2007, and 2008 to 2019

Contains information from OpenStreetMap and OpenStreetMap Foundation, which is made available under the Open Database

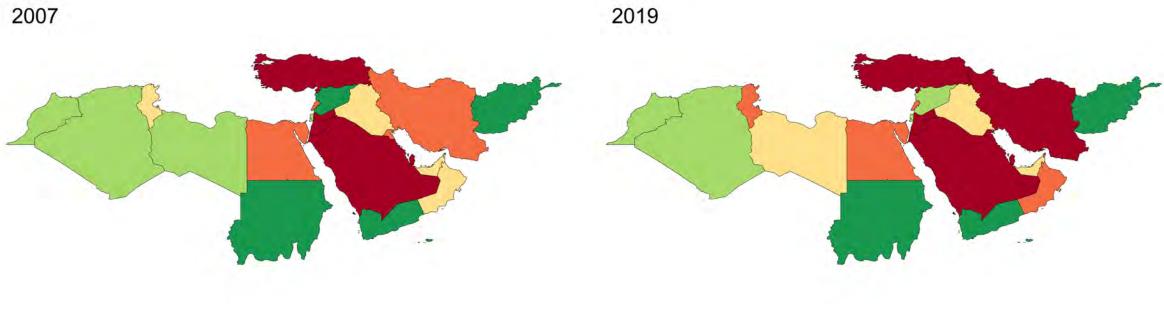
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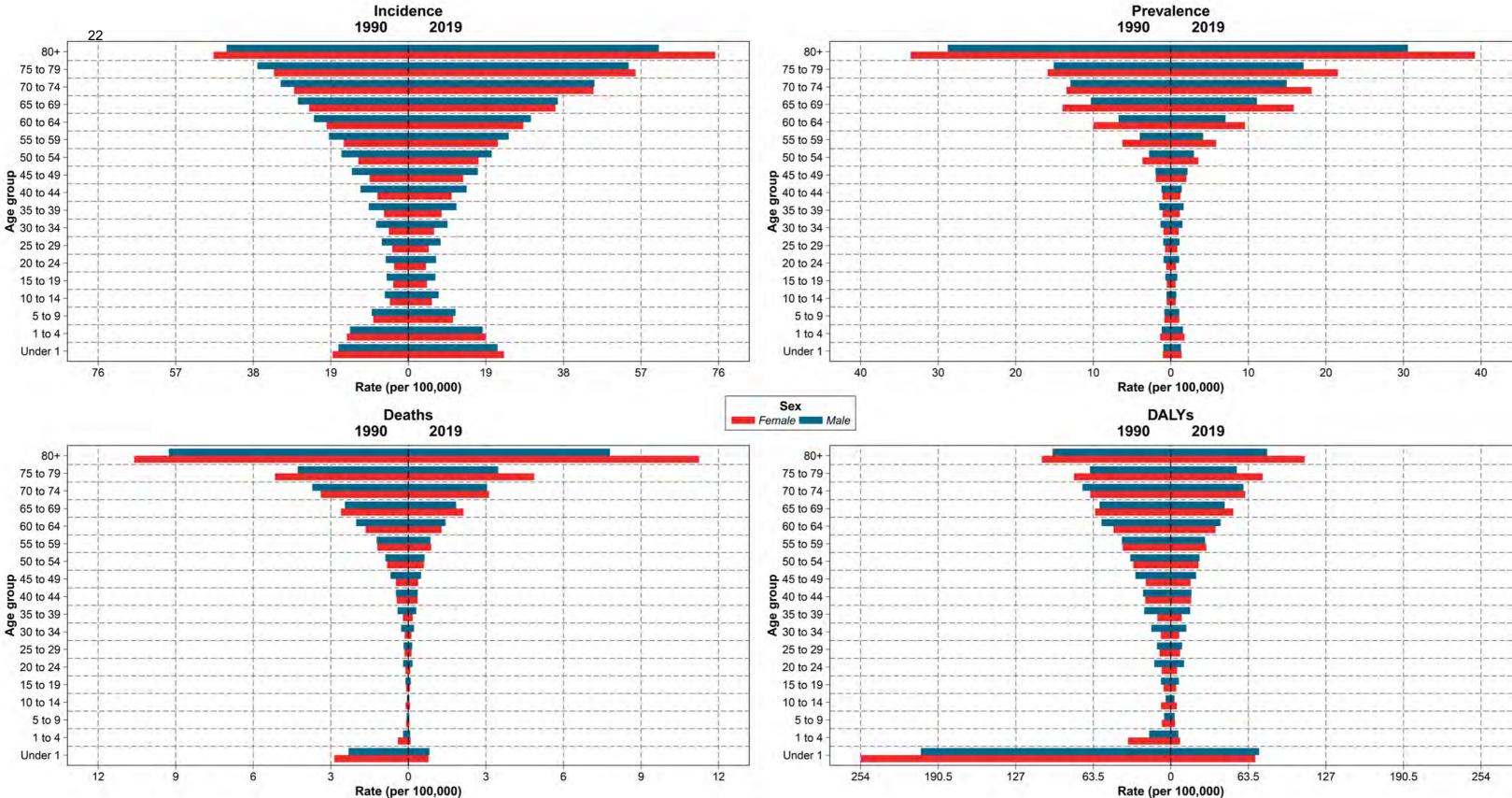
YLDs



S11 Fig.

Comparison of rates (per 100,000) of incidence, prevalence, deaths, and DALYs of infective endocarditis in North Africa and the Middle

East in 1990 and 2019 according to eighteen age groups and sex

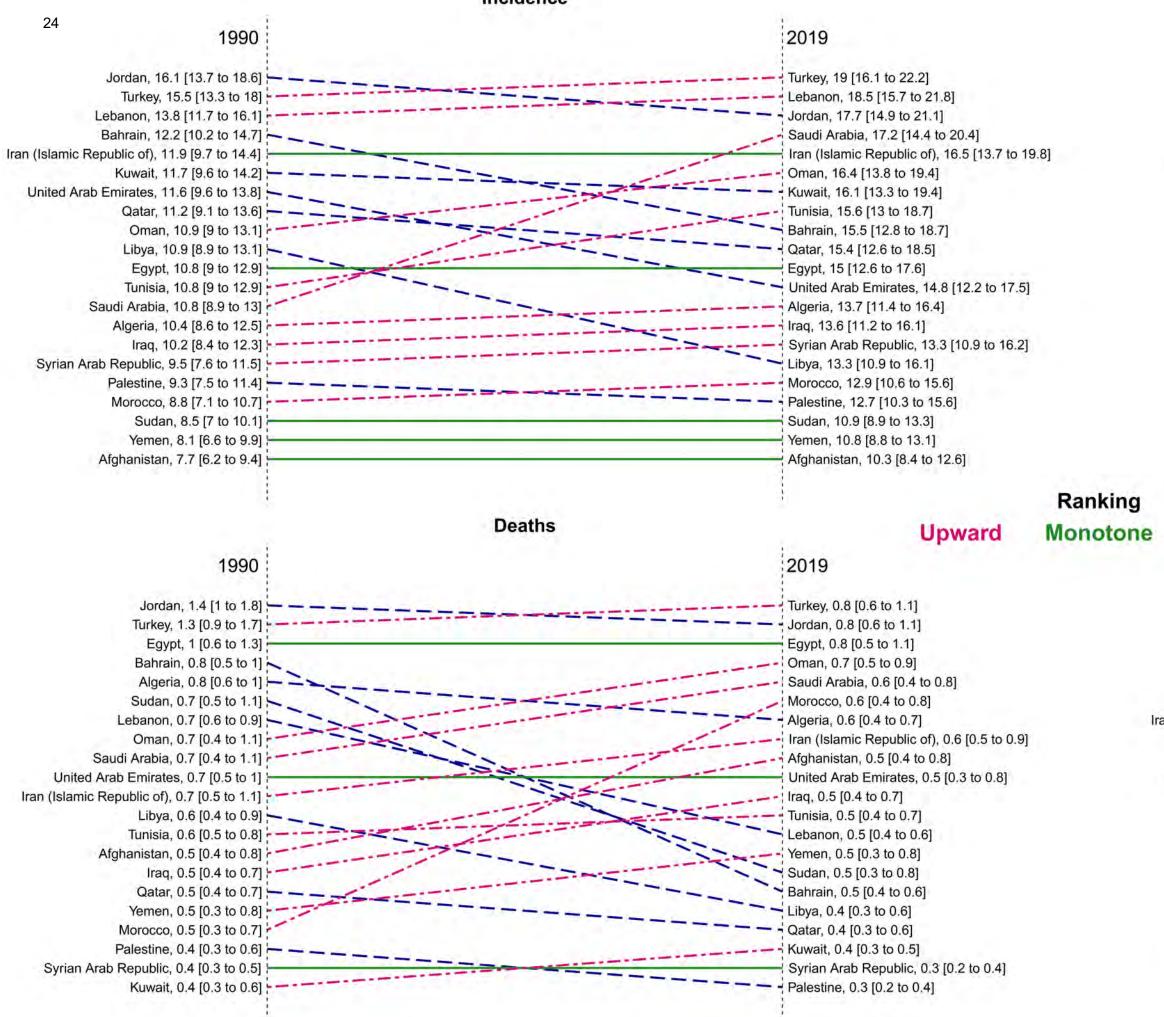


S12 Fig.

Rankings of 21 countries of North African and Middle Eastern countries based on age-standardized rates of incidence, prevalence, deaths,

and DALYs of infective endocarditis in 1990 and 2019

Incidence



Prevalence

4	990	
-	990	

1990	2019	
Turkey, 5.9 [5 to 7.1]	Turkey, 5.7 [5.1 to 6.3]	
Jordan, 4.8 [4.1 to 5.6]	Jordan, 5.1 [4.4 to 6]	
Bahrain, 3.3 [2.8 to 3.9]	Saudi Arabia, 3.9 [3.3 to 4.6]	
Saudi Arabia, 3.1 [2.6 to 3.7]	Bahrain, 3.6 [3.1 to 4.3]	
Kuwait, 3.1 [2.6 to 3.7]	Kuwait, 3.5 [3 to 4.1]	
Iran (Islamic Republic of), 3 [2.5 to 3.6]	Iran (Islamic Republic of), 3.4 [2.9 to 4.1]	
Qatar, 2.9 [2.6 to 3.4]	Qatar, 3.4 [2.9 to 4.1]	
Lebanon, 2.7 [2.3 to 3.1]	Lebanon, 3.3 [2.8 to 3.8]	
Egypt, 2.5 [2 to 3.2]	Egypt, 3.1 [2.5 to 3.9]	
United Arab Emirates, 2.4 [2 to 2.8]	Tunisia, 2.9 [2.5 to 3.4]	
Tunisia, 2.4 [2 to 2.8]	Oman, 2.9 [2.5 to 3.3]	
Iraq, 2.4 [2 to 2.8]	Iraq, 2.7 [2.3 to 3.2]	
Algeria, 2.1 [1.8 to 2.5]	United Arab Emirates, 2.6 [2.3 to 3.1]	
Libya, 2.1 [1.8 to 2.4]	Libya, 2.6 [2.2 to 3]	
Oman, 2 [1.8 to 2.3]	Algeria, 2.5 [2.1 to 2.9]	
Morocco, 1.8 [1.5 to 2.1]	Morocco, 2.2 [1.8 to 2.5]	
Palestine, 1.6 [1.4 to 1.9]	Palestine, 2 [1.7 to 2.3]	
Syrian Arab Republic, 1.5 [1.3 to 1.8]	Syrian Arab Republic, 1.9 [1.7 to 2.3]	
Sudan, 1.4 [1.2 to 1.6]	Sudan, 1.7 [1.5 to 2]	
Yemen, 1.3 [1.1 to 1.5]	Yemen, 1.6 [1.3 to 1.8]	
Afghanistan, 1.1 [0.9 to 1.3]	Afghanistan, 1.3 [1.1 to 1.5]	

Downward

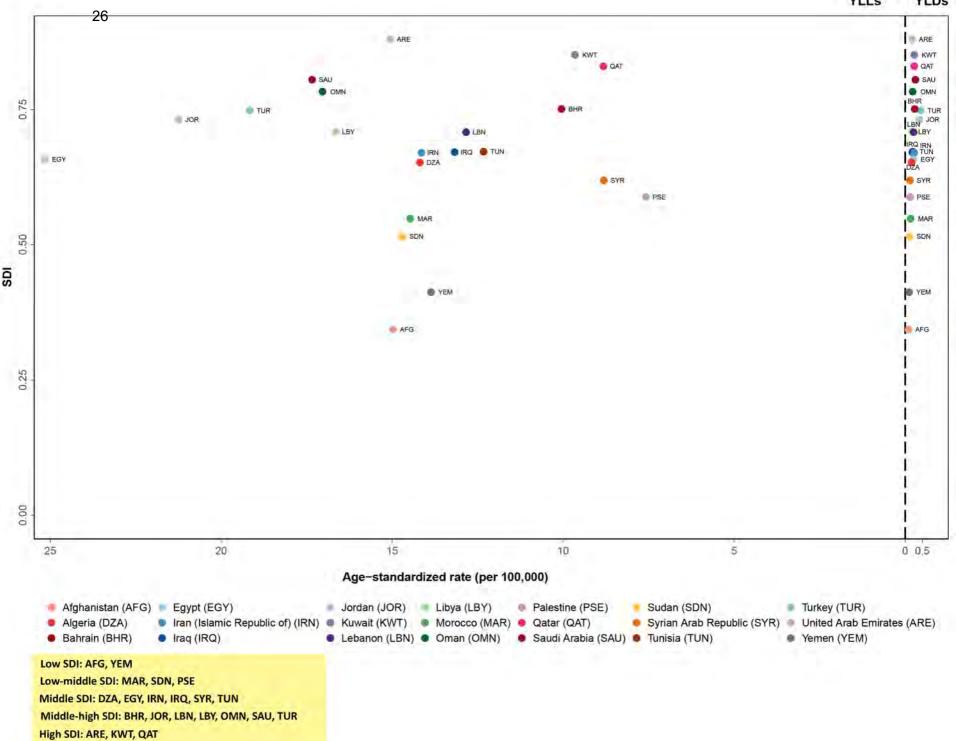
DALYS

S13 Fig.

Age-standardized rates (per 100,000) of YLDs and YLLs of infective endocarditis in 21 North African and Middle Eastern countries in

2019 by quintiles of the countries' socio-demographic index (SDI)

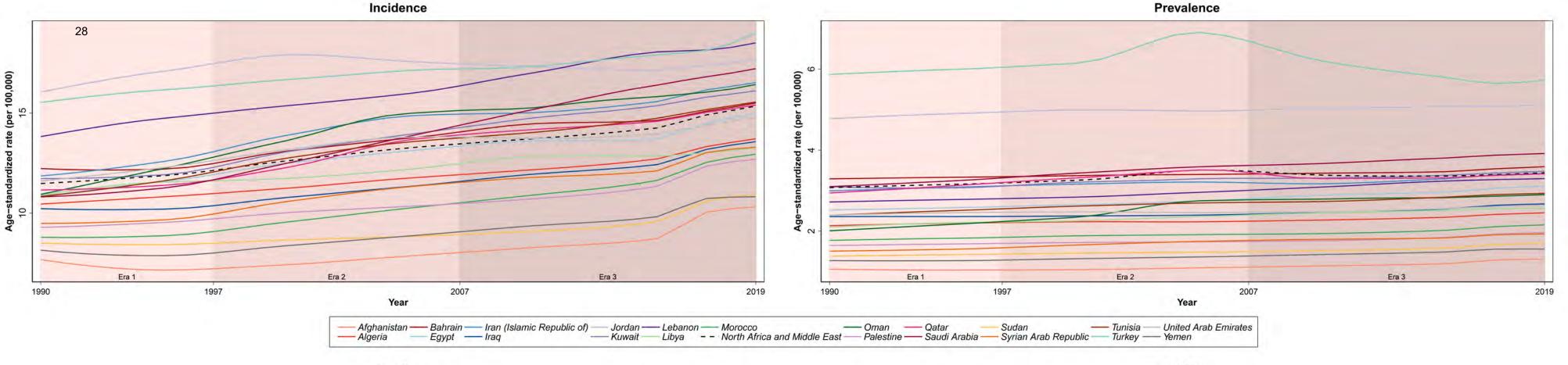




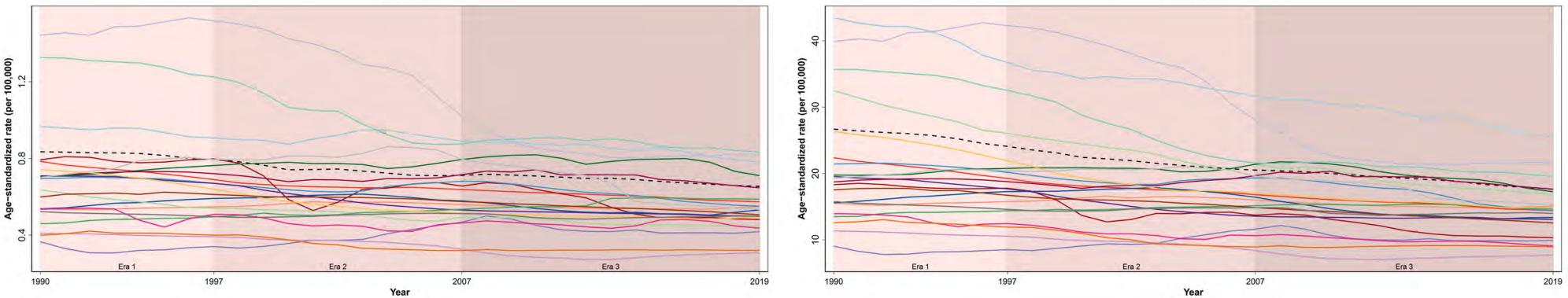
S14 Fig.

The temporal trend of age-standardized incidence, prevalence, deaths, and DALYs of infective endocarditis in 21 countries of North Africa

and the Middle East between 1990 and 2019 in the three eras (1990–1997, 1998–2007, and 2008–2019)





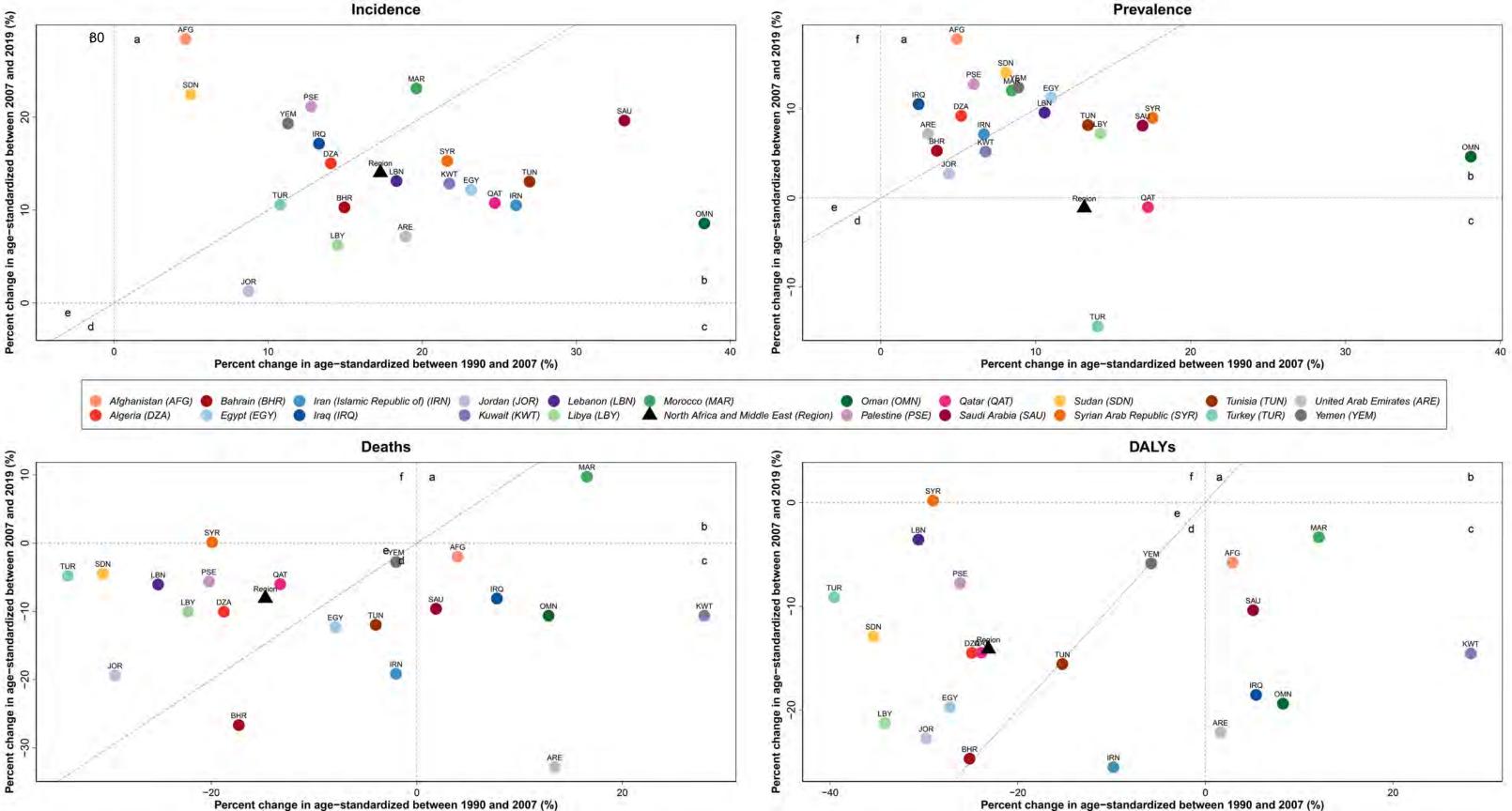


DALYs

S15 Fig.

Percent changes (%) in age-standardized rates (per 100,000) of incidence, prevalence, deaths, and DALYs of infective endocarditis between 1997 and

2007, and 2007 and 2019 in 21 countries of North Africa and the Middle East

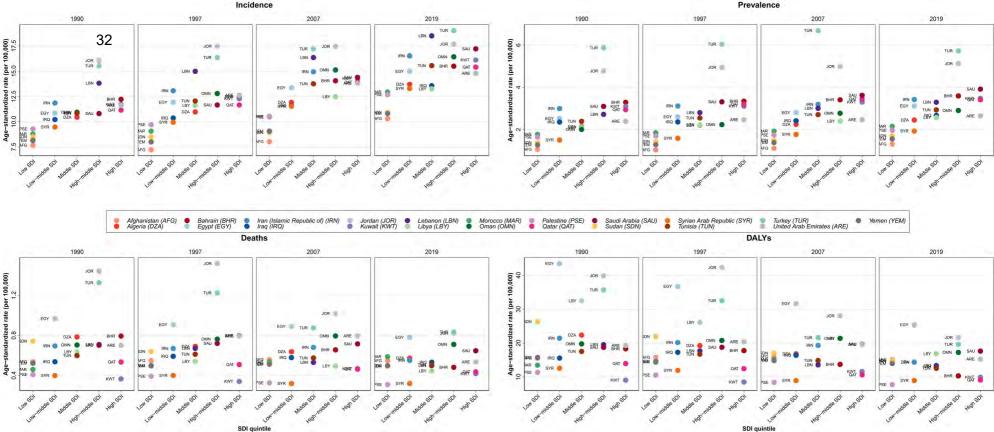


S16 Fig.

Age-standardized rates (per 100,000) of incidence, prevalence, deaths, and disability-adjusted life years (DALYs) of infective

endocarditis in 21 North African and Middle Eastern countries in 1990, 1997, 2007, and 2019 by quintiles of the countries' socio-

demographic index

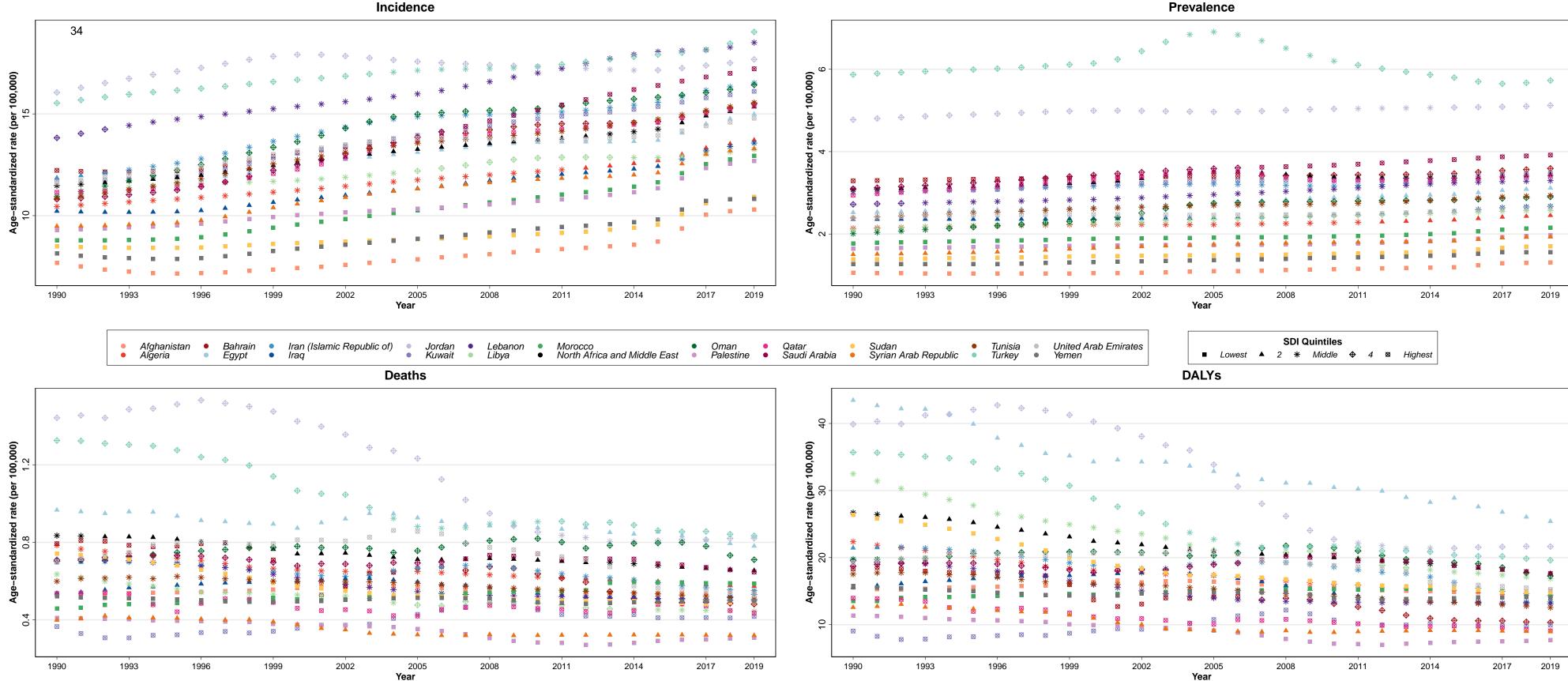


S17 Fig.

Age-standardized rates (per 100,000) of incidence, prevalence, deaths, and disability-adjusted life years (DALYs) of infective

endocarditis in 21 North African and Middle Eastern nations from 1990 to 2019 at three-year intervals (1990, 1993, 1996, 1999, 2002,

2005, 2008, 2011, 2014, 2017 and 2019) by quintiles of the countries' sociodemographic index (SDI)



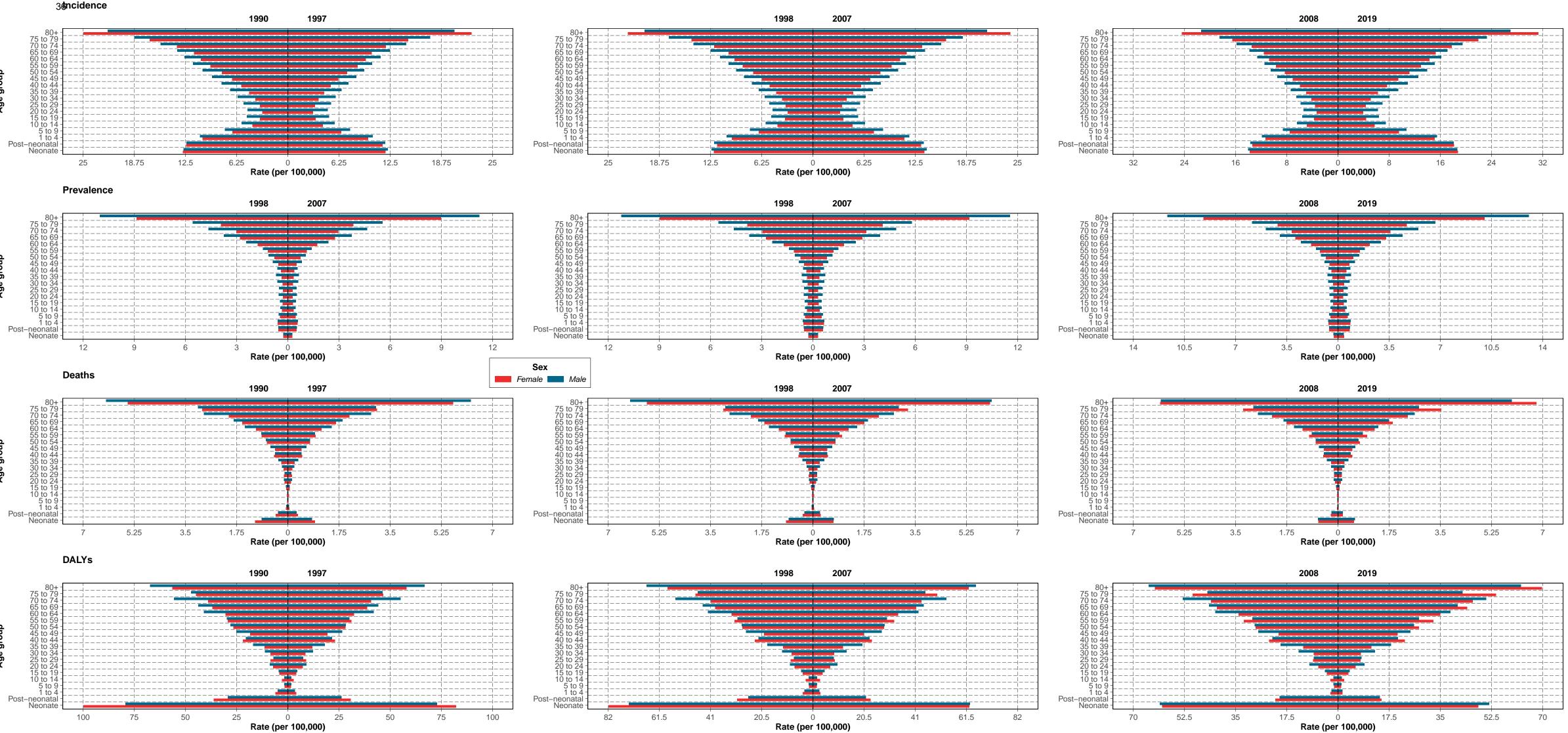
Incidence

S18 Fig.

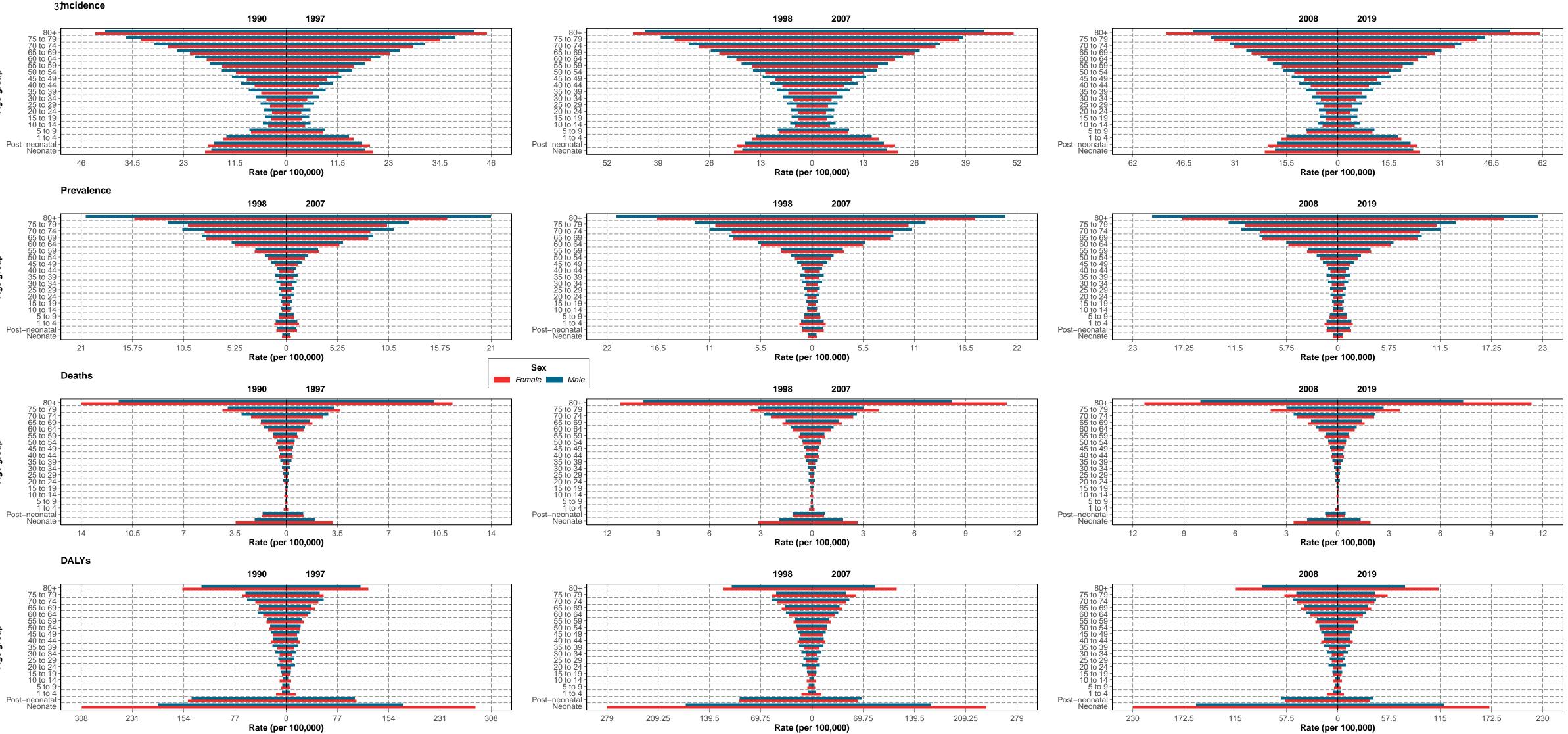
Rates (per 100,000) of incidence, prevalence, deaths, and DALYs of infective endocarditis in 21 countries of North Africa and the Middle

East in 1990 compared with 1997, in 1998 versus 2007, and in 2008 versus 2019 according to eighteen age groups and sex

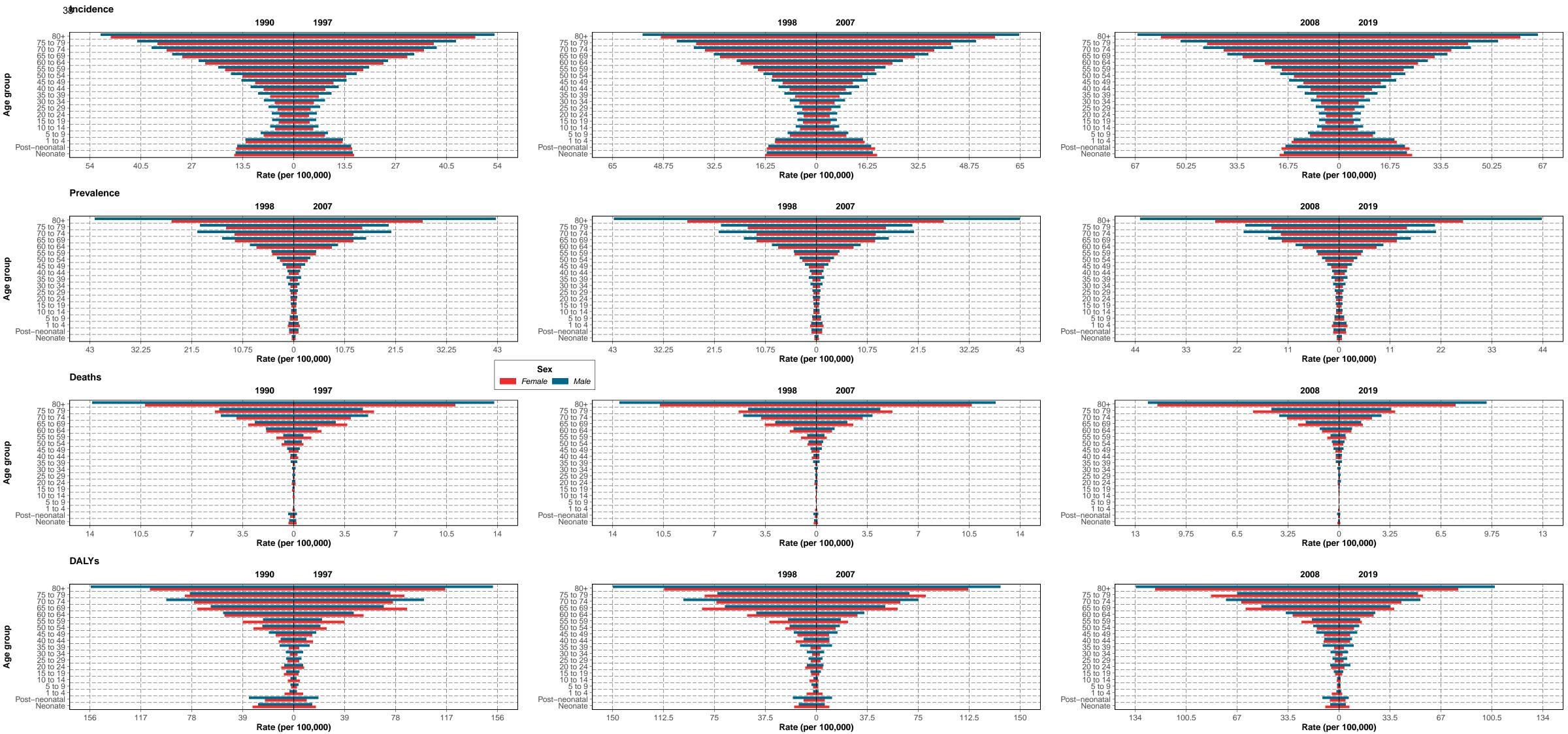


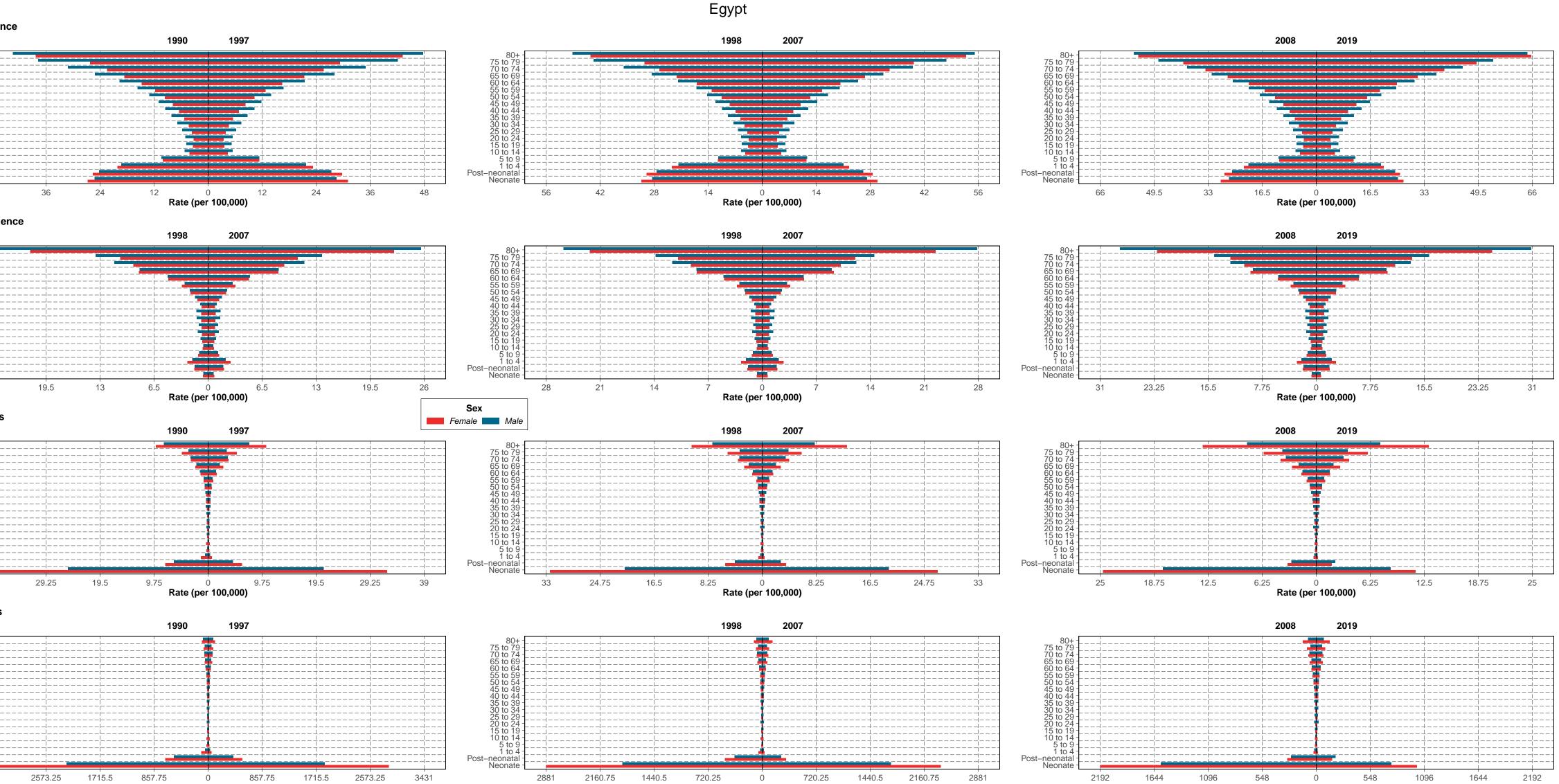


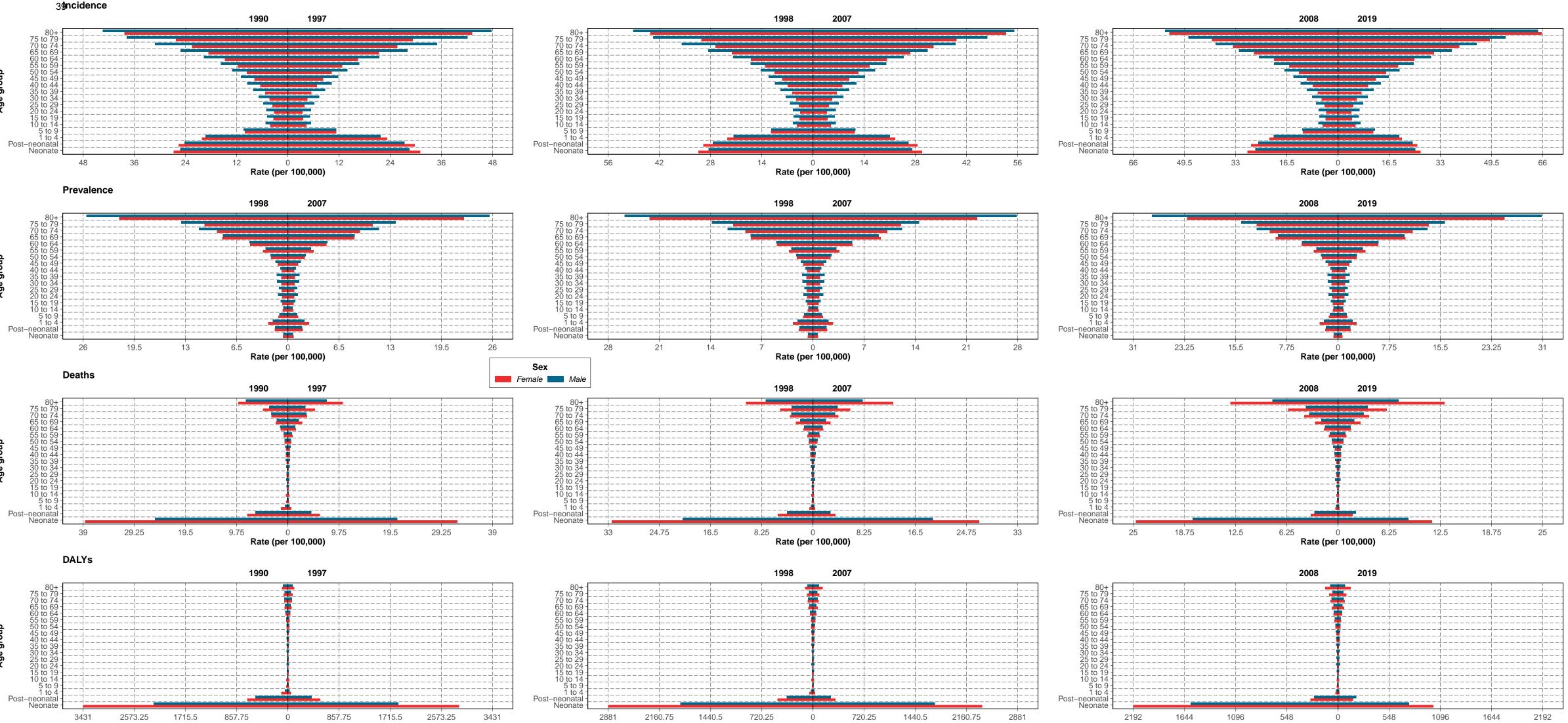


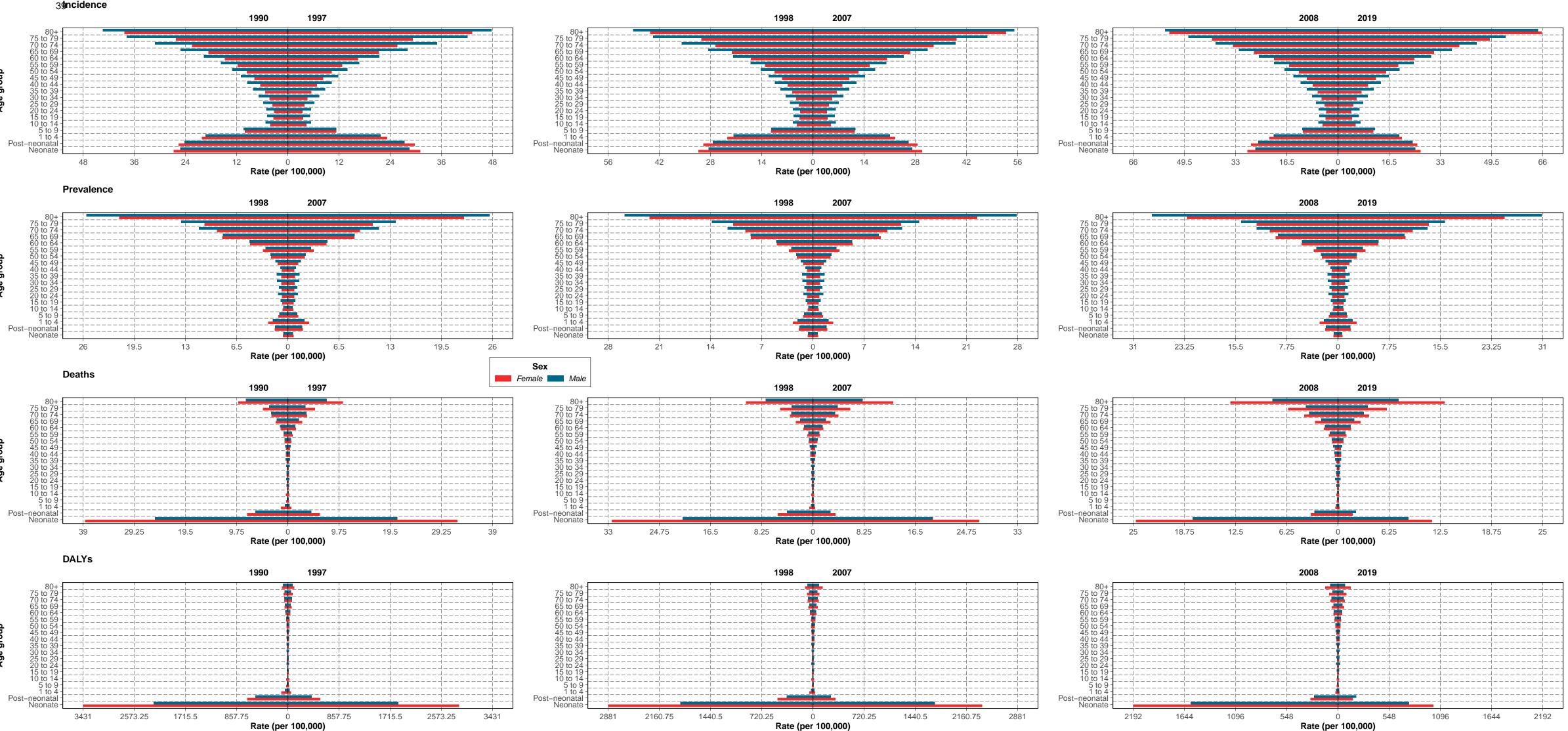


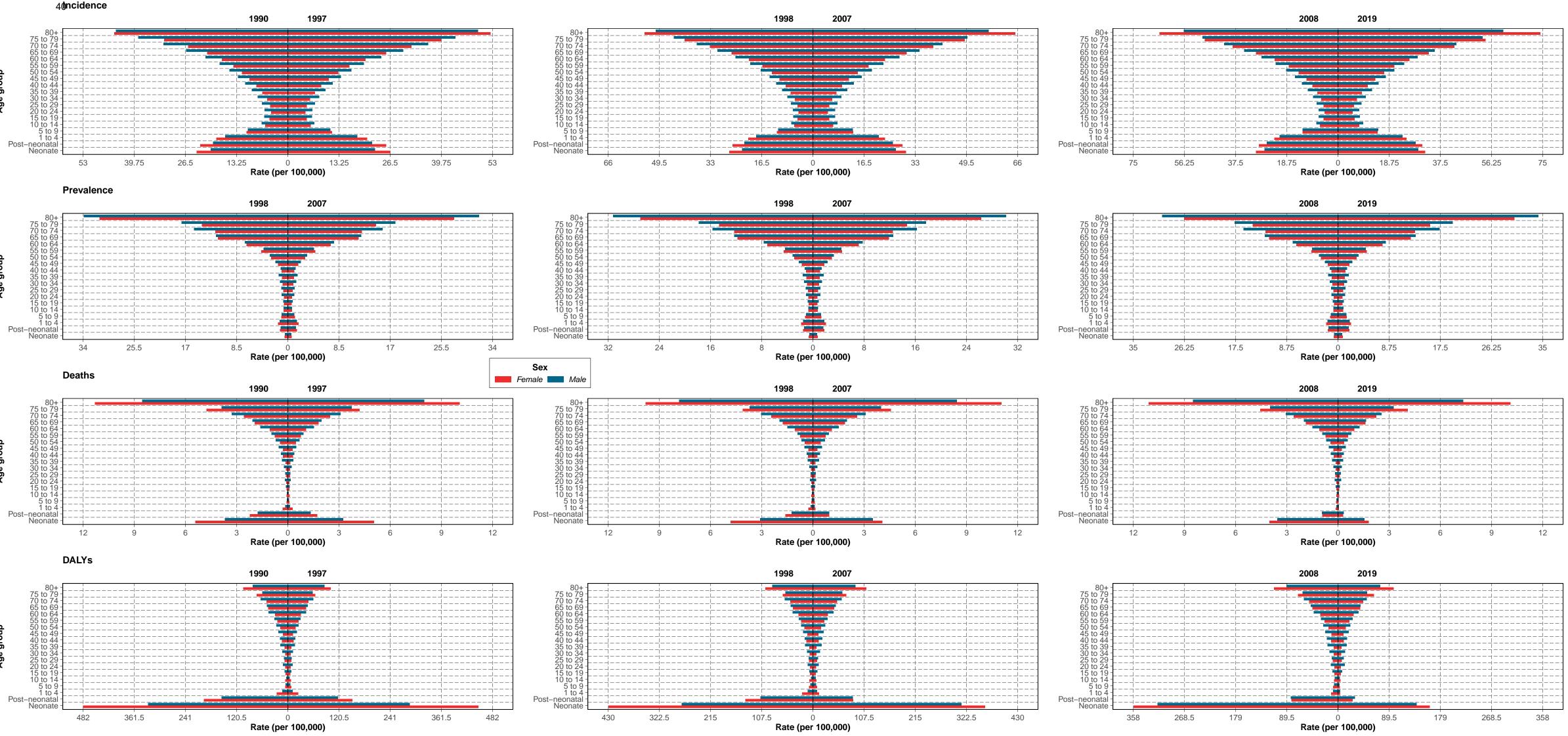
Bahrain



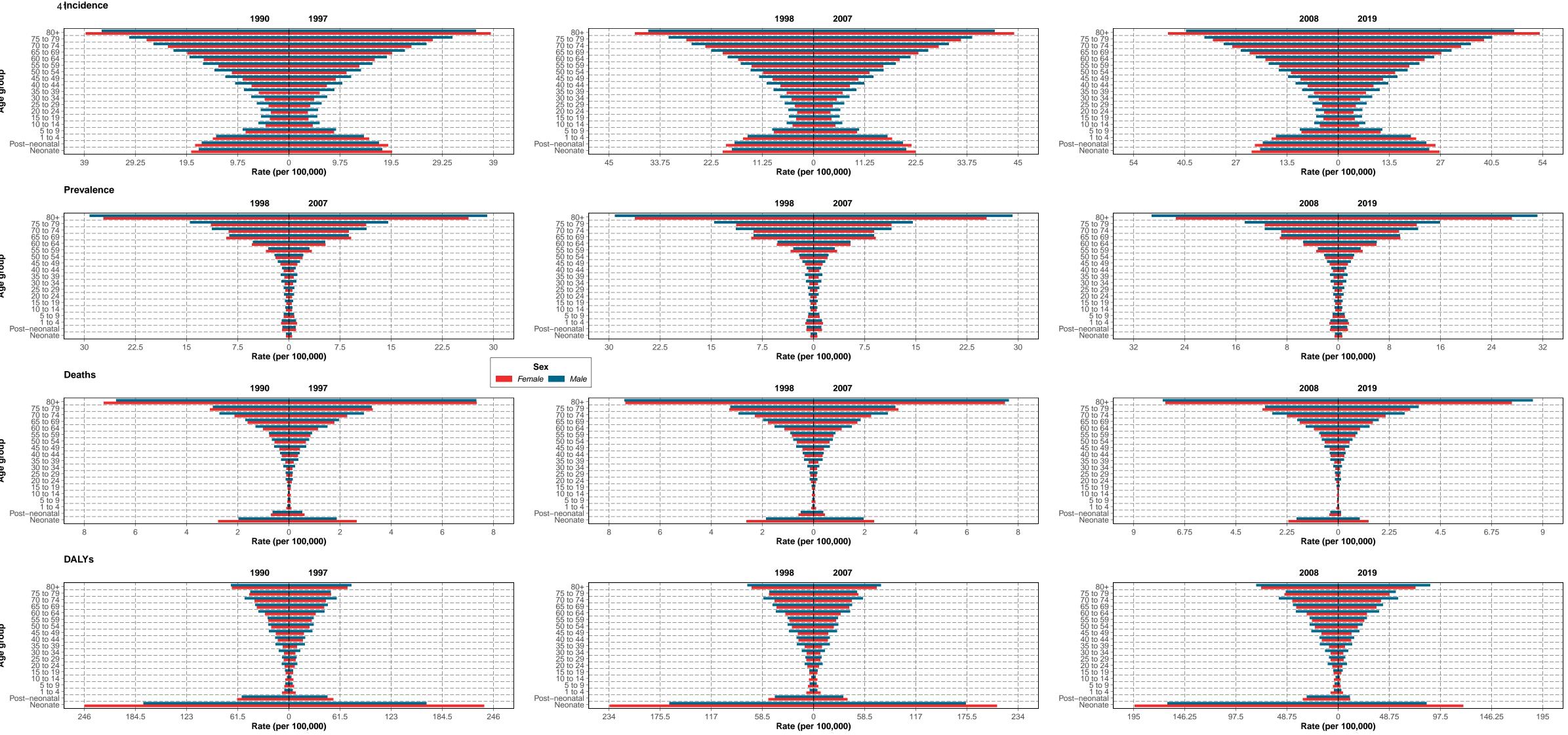




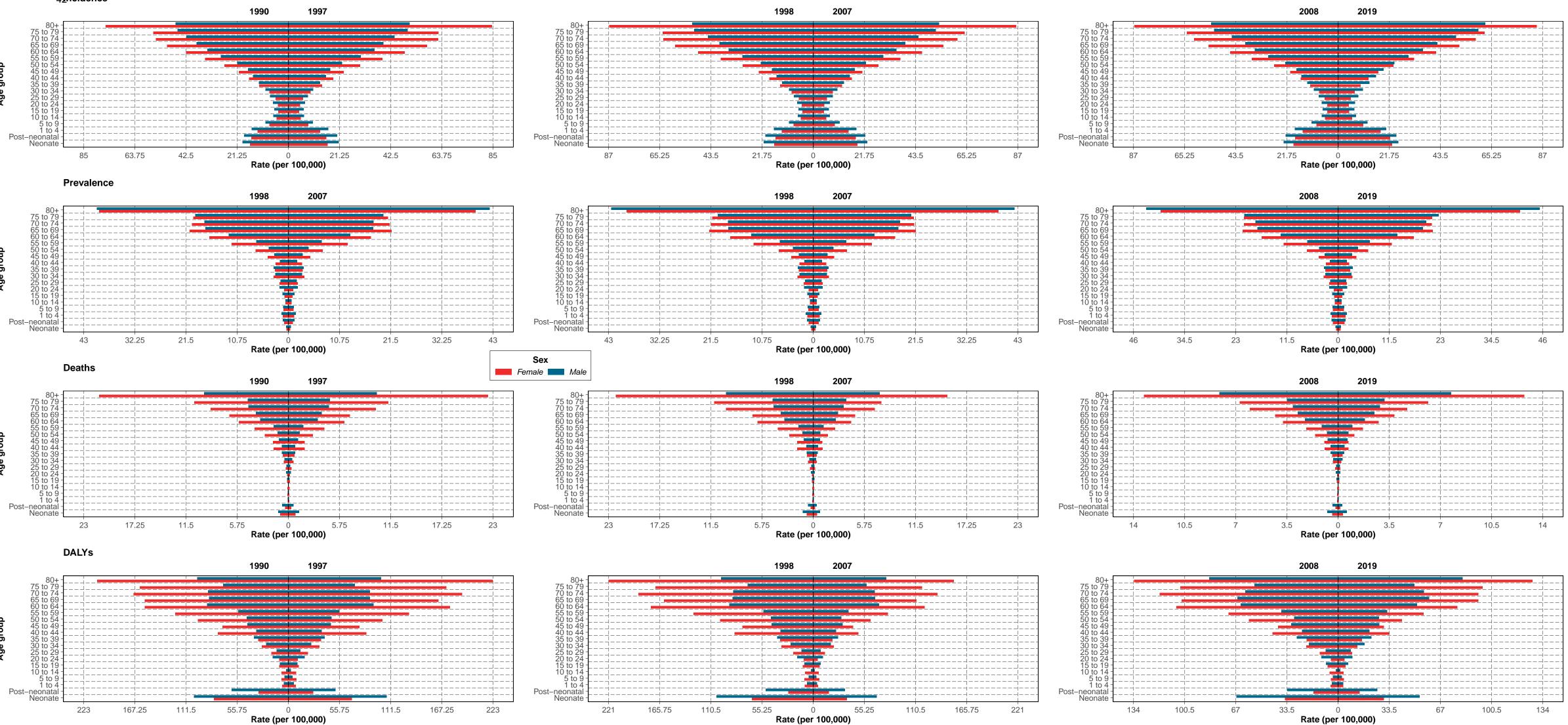






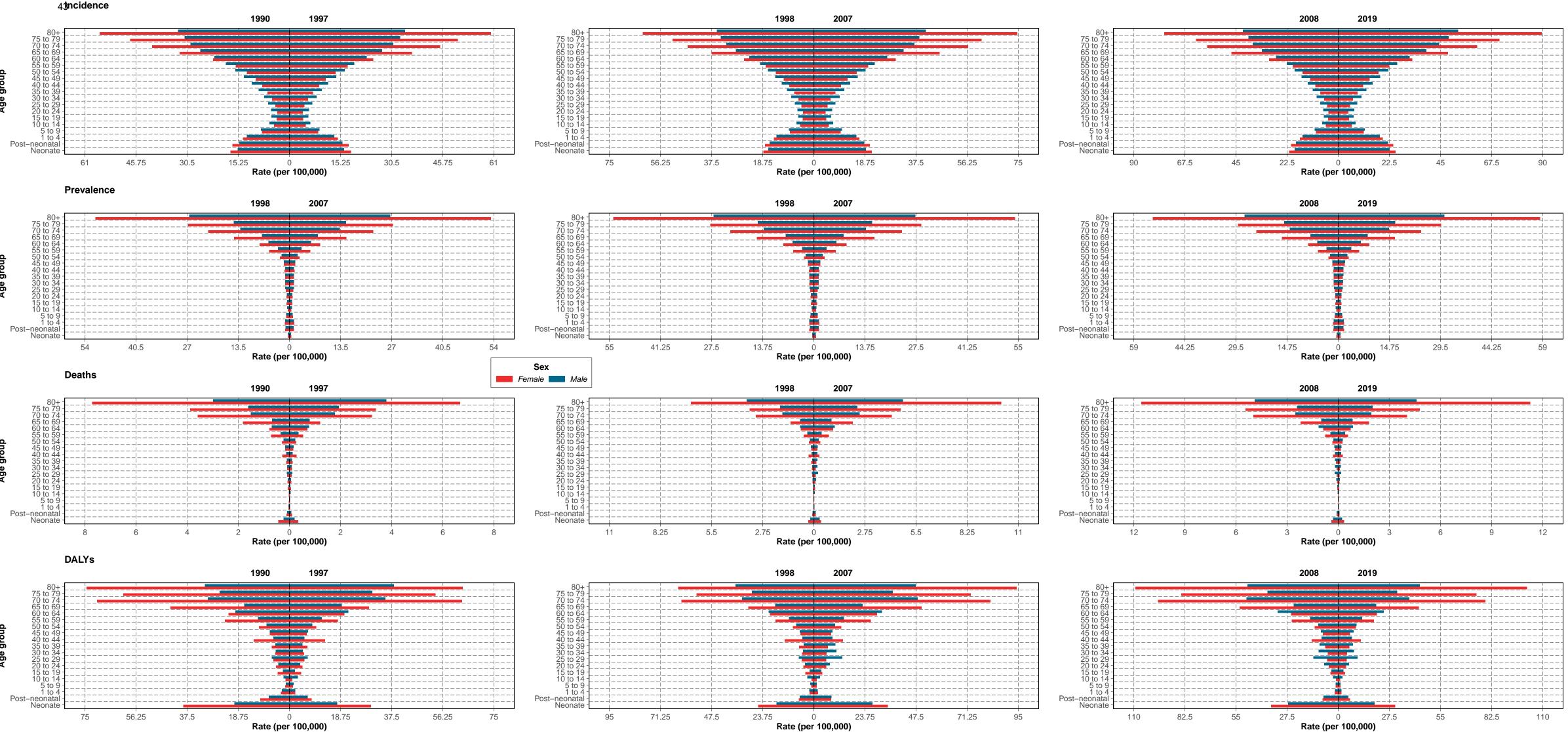


42ncidence

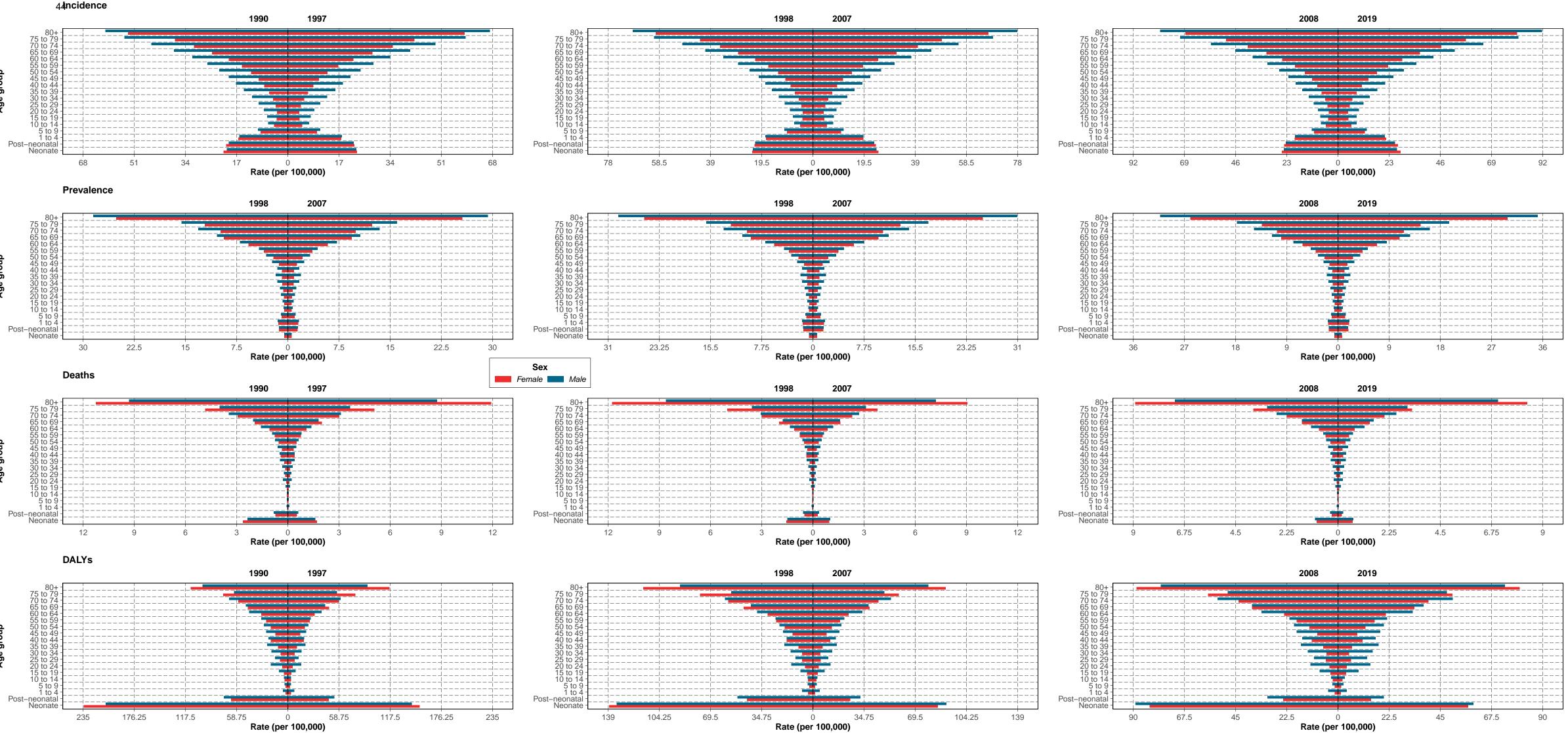


Jordan

Kuwait



Lebanon

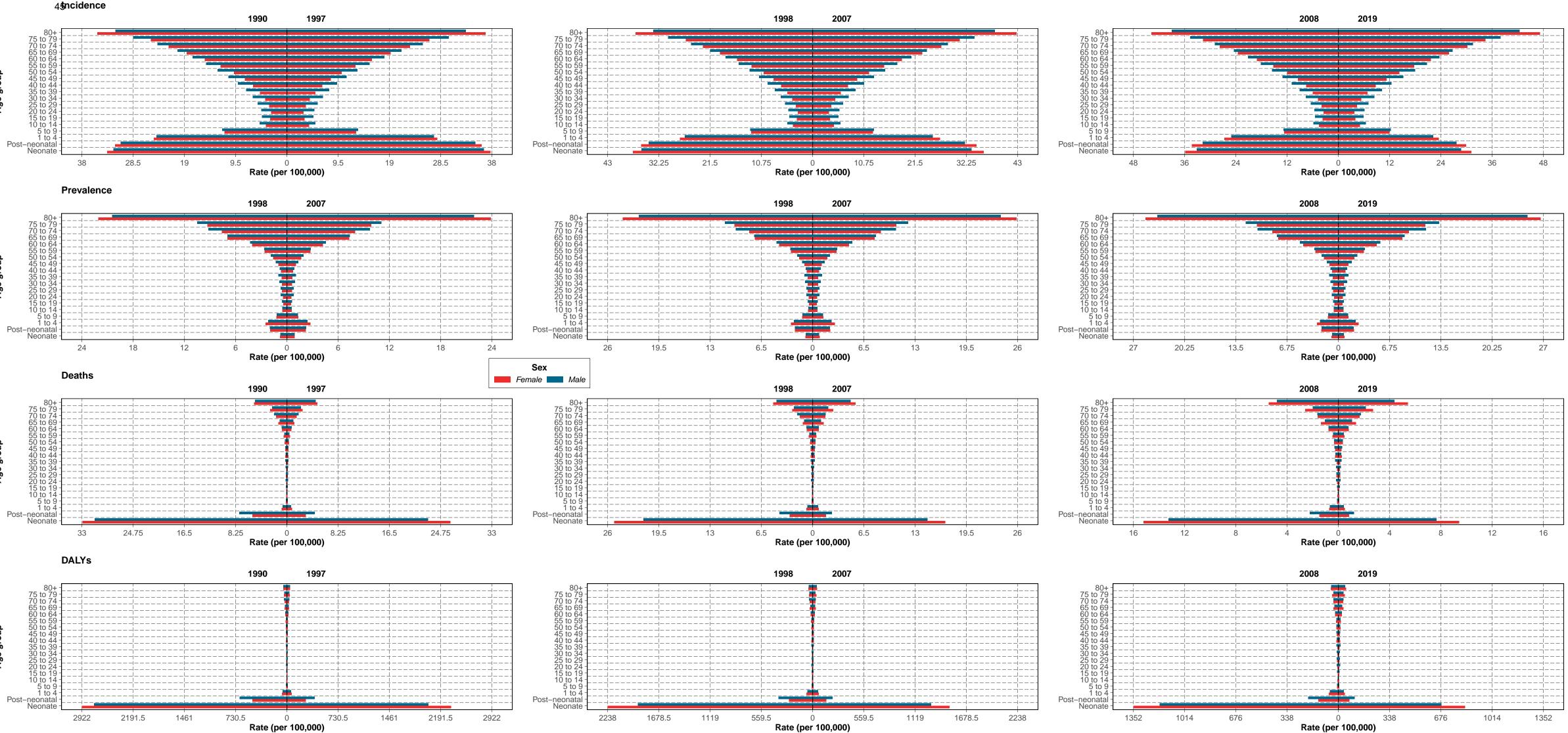




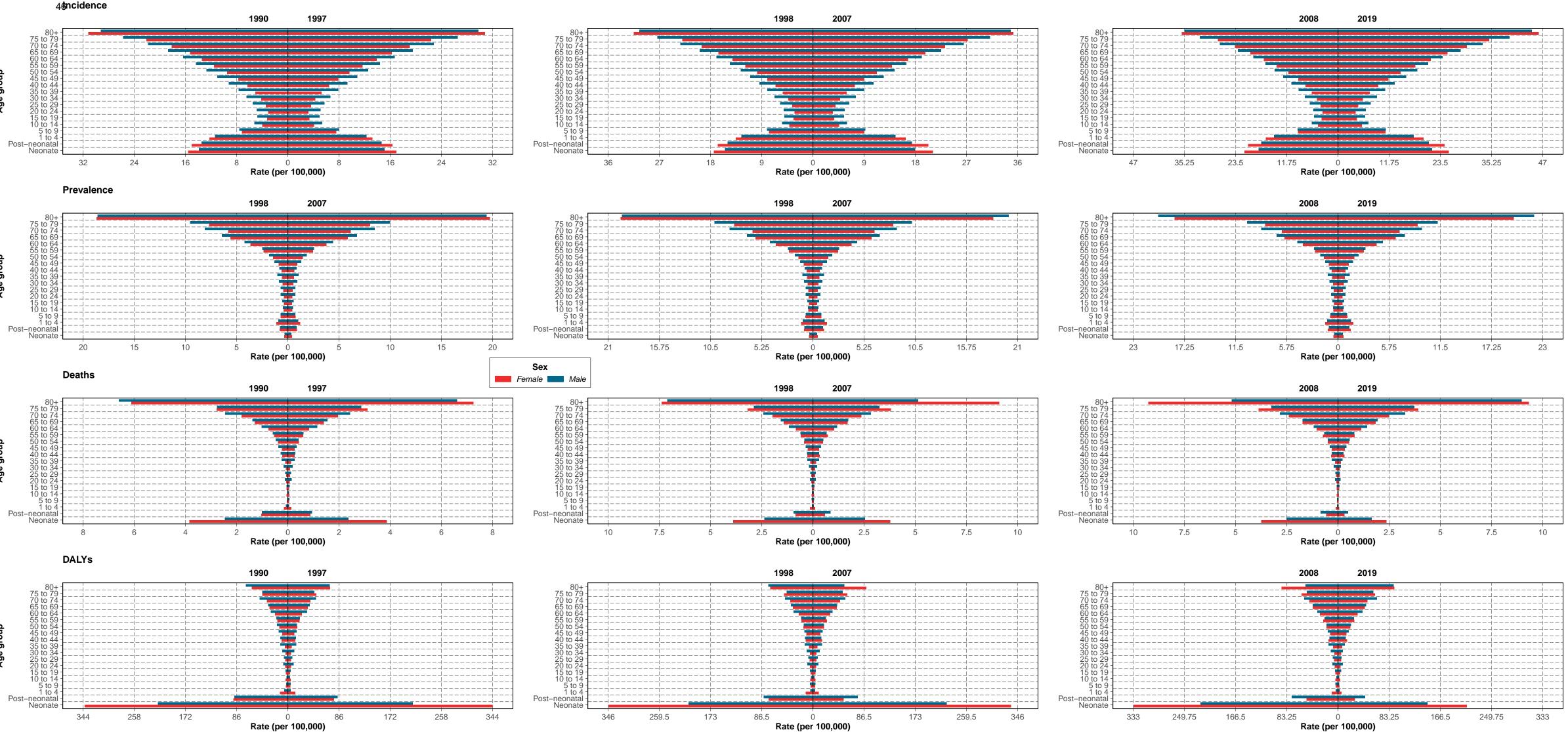
5

5

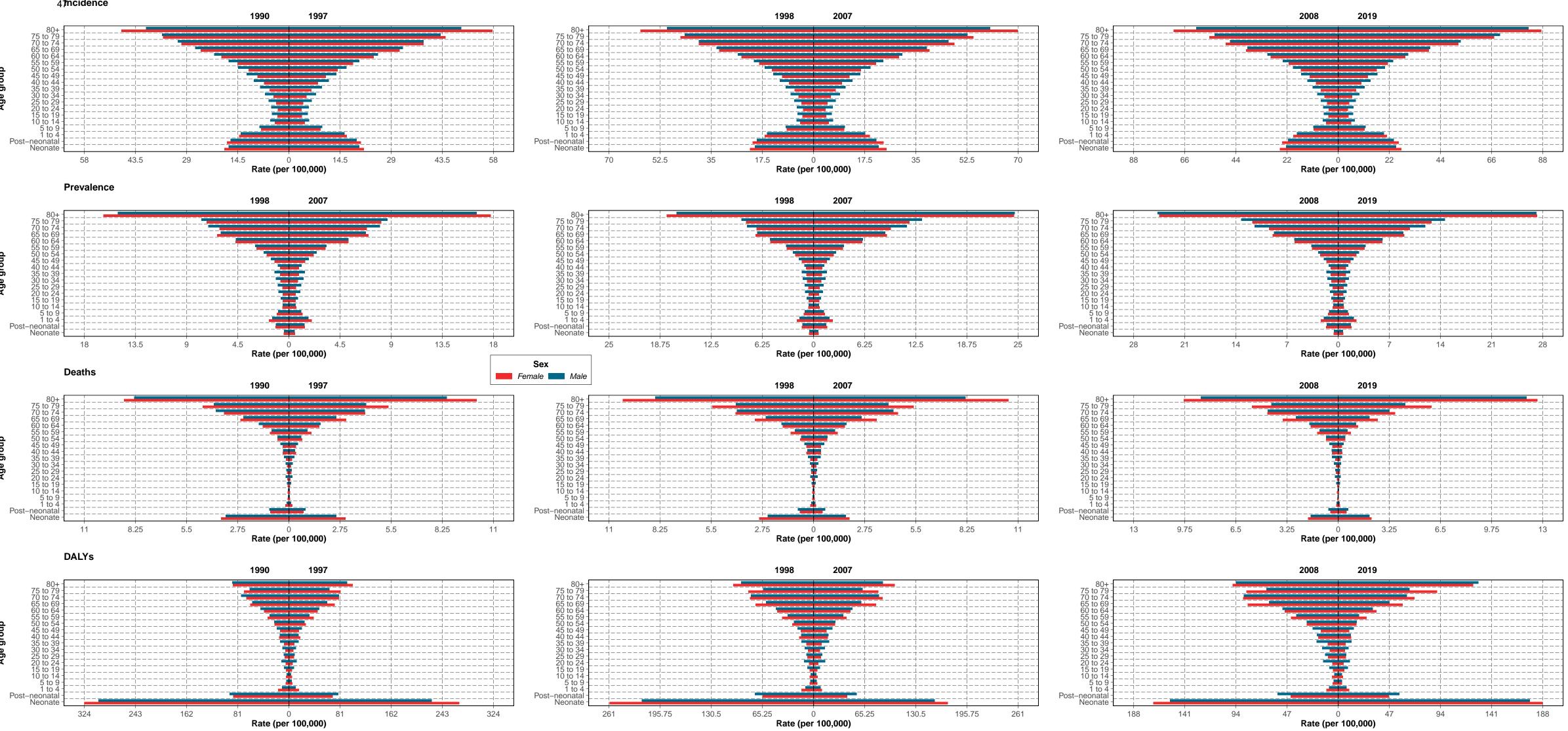
dno



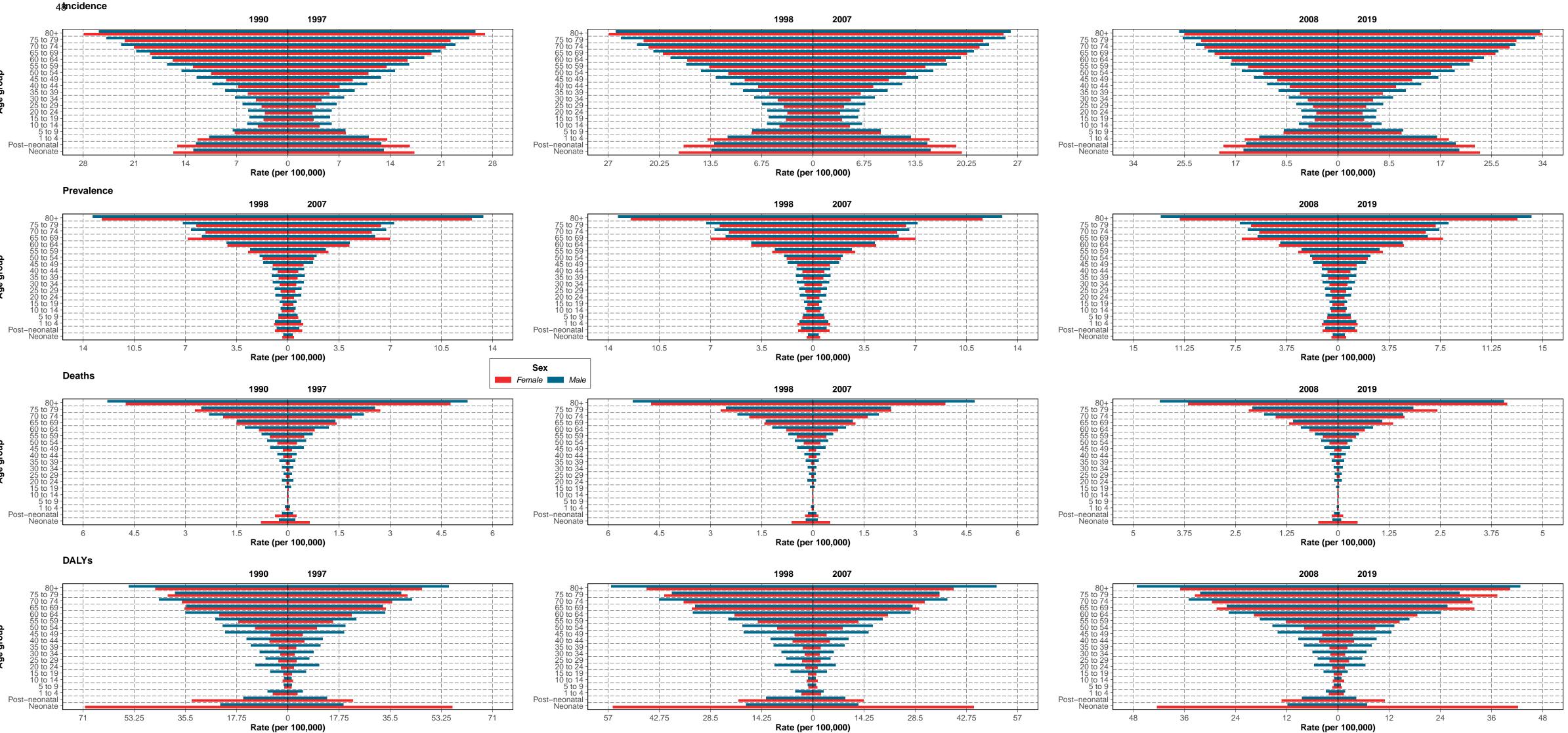




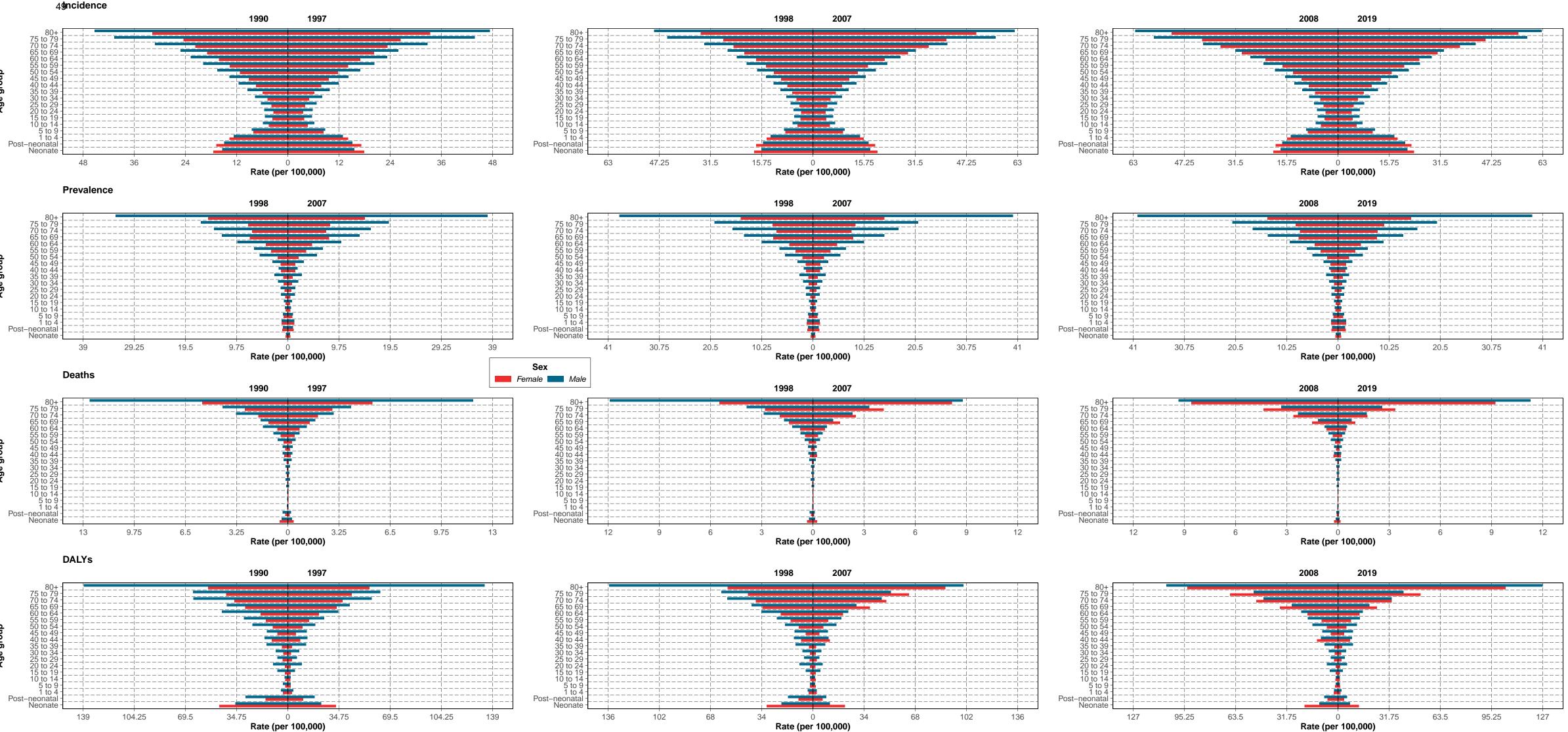
4**†**ncidence



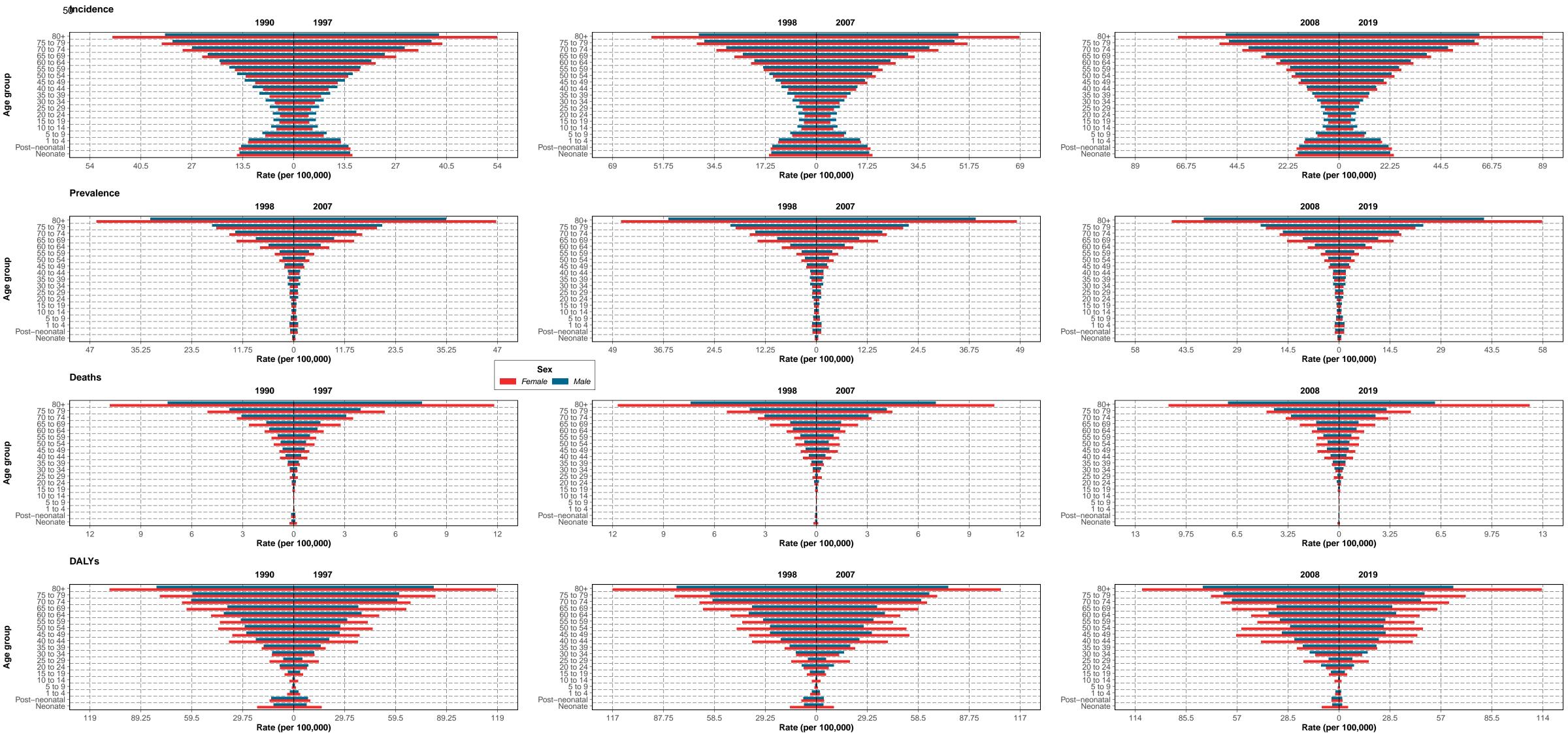




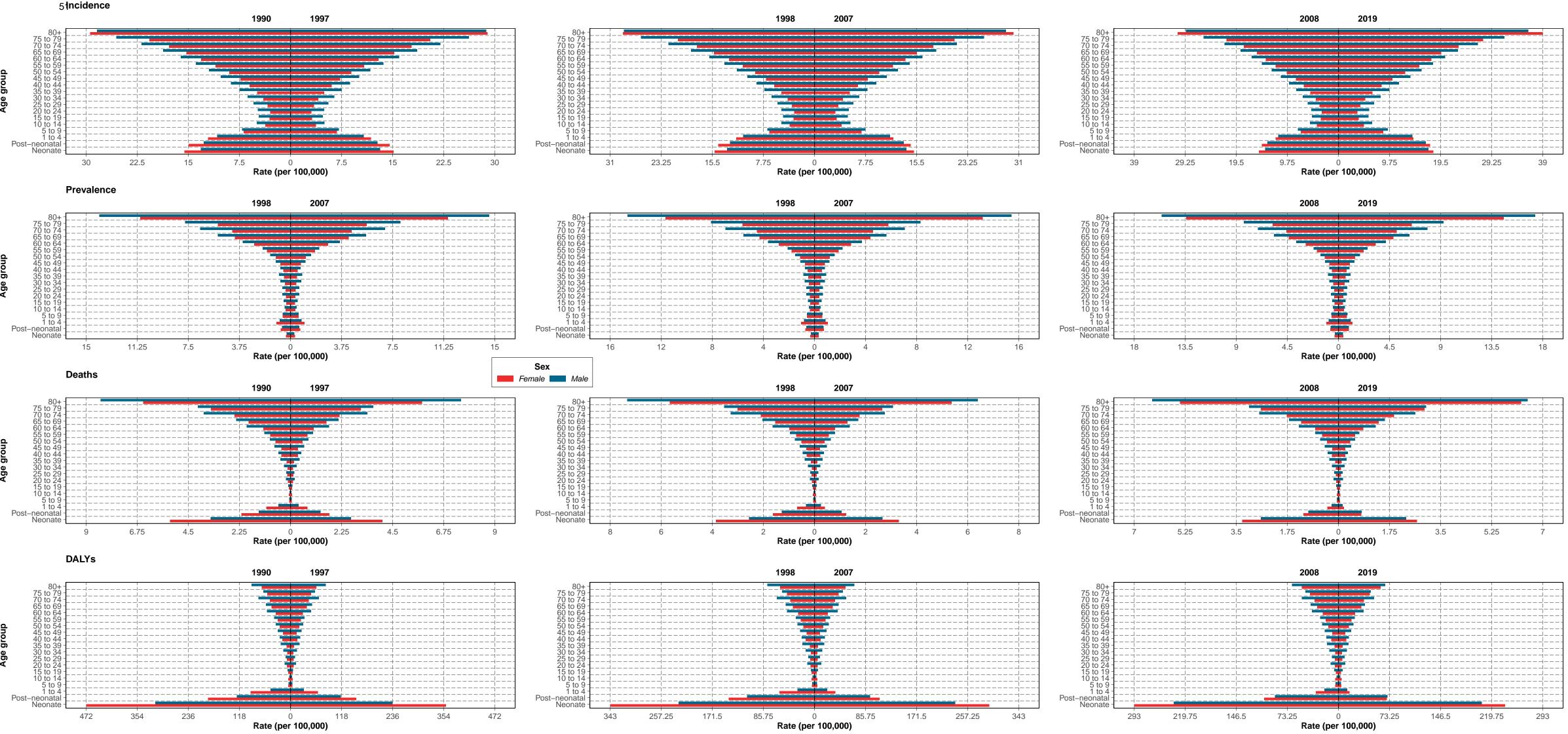
Qatar

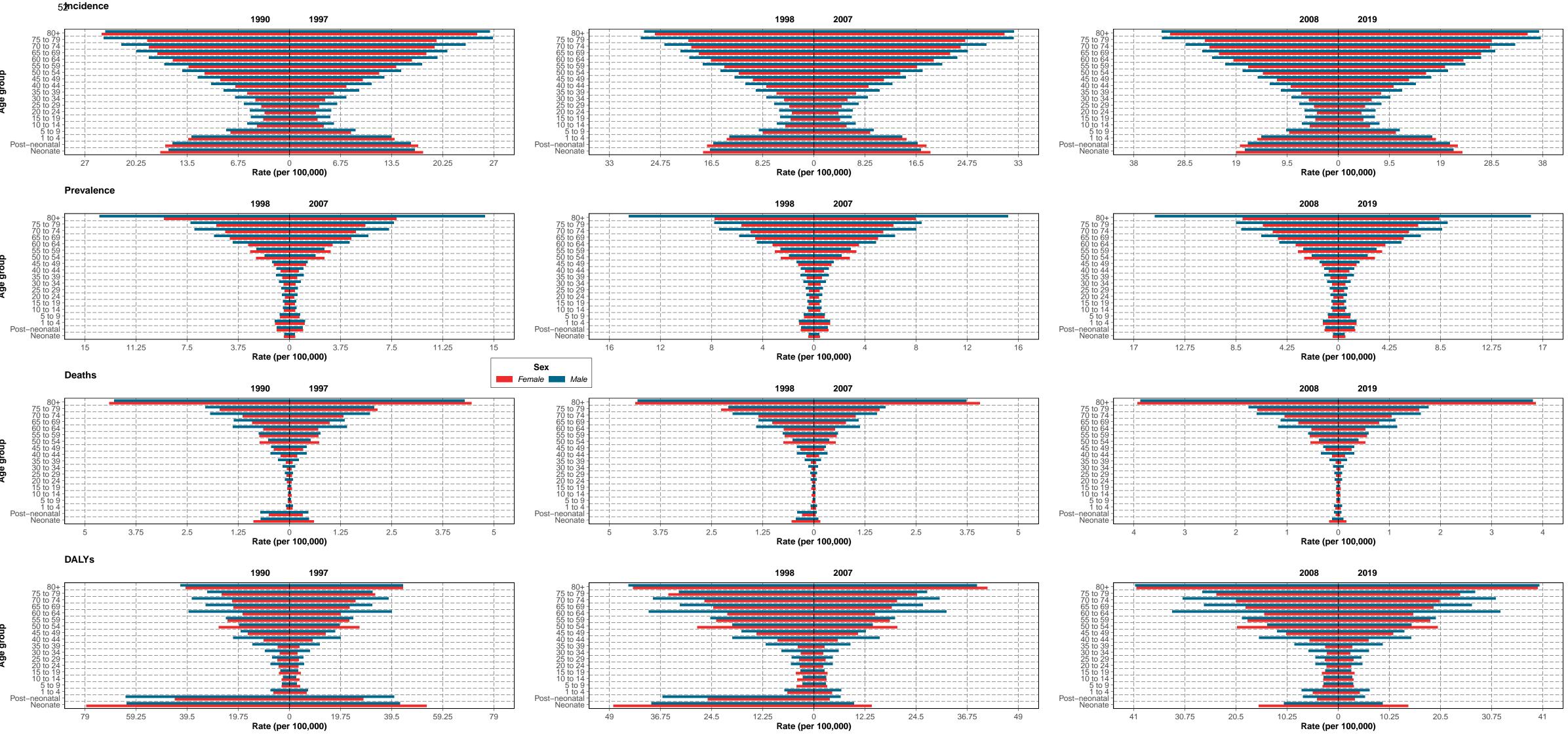


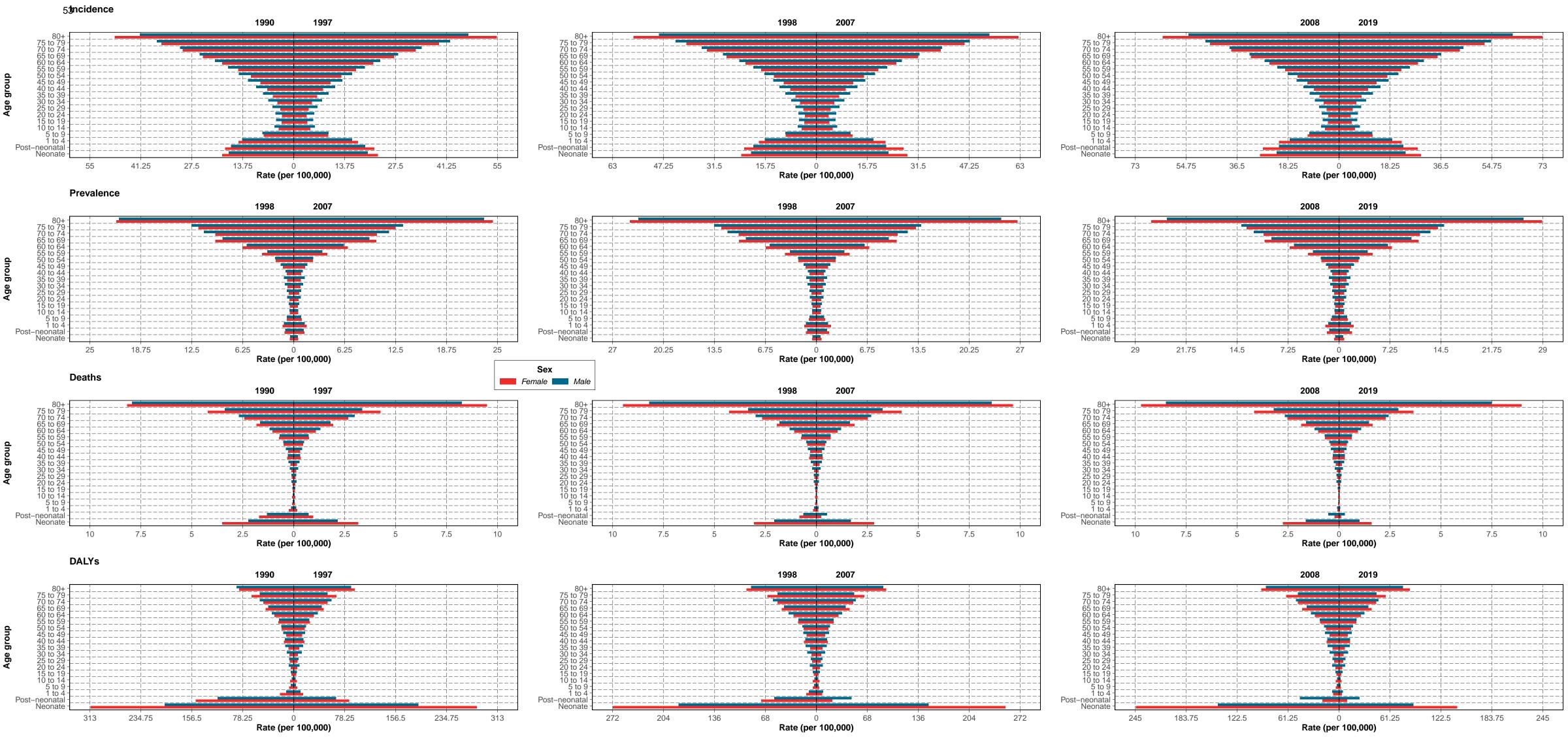
Saudi Arabia



Sudan

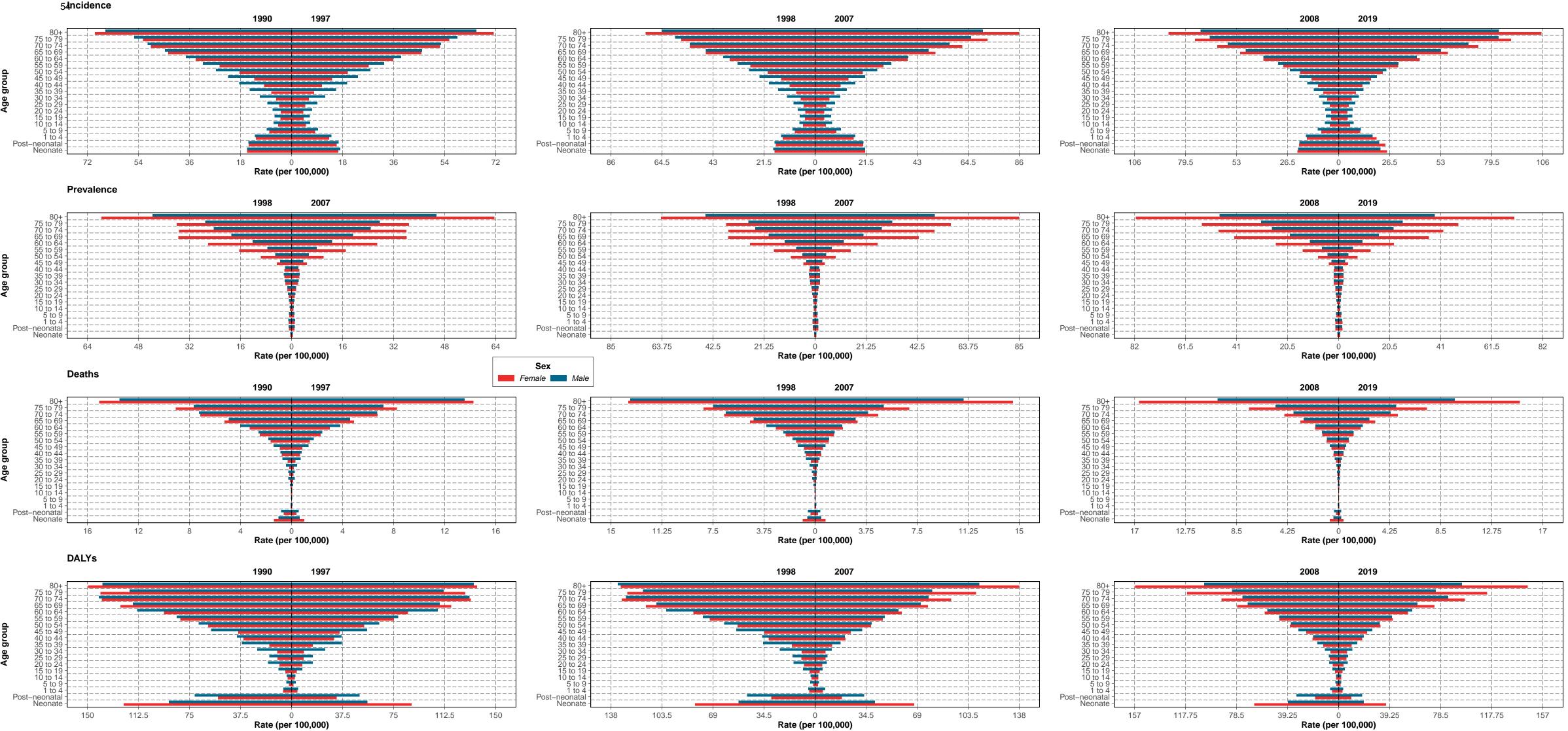


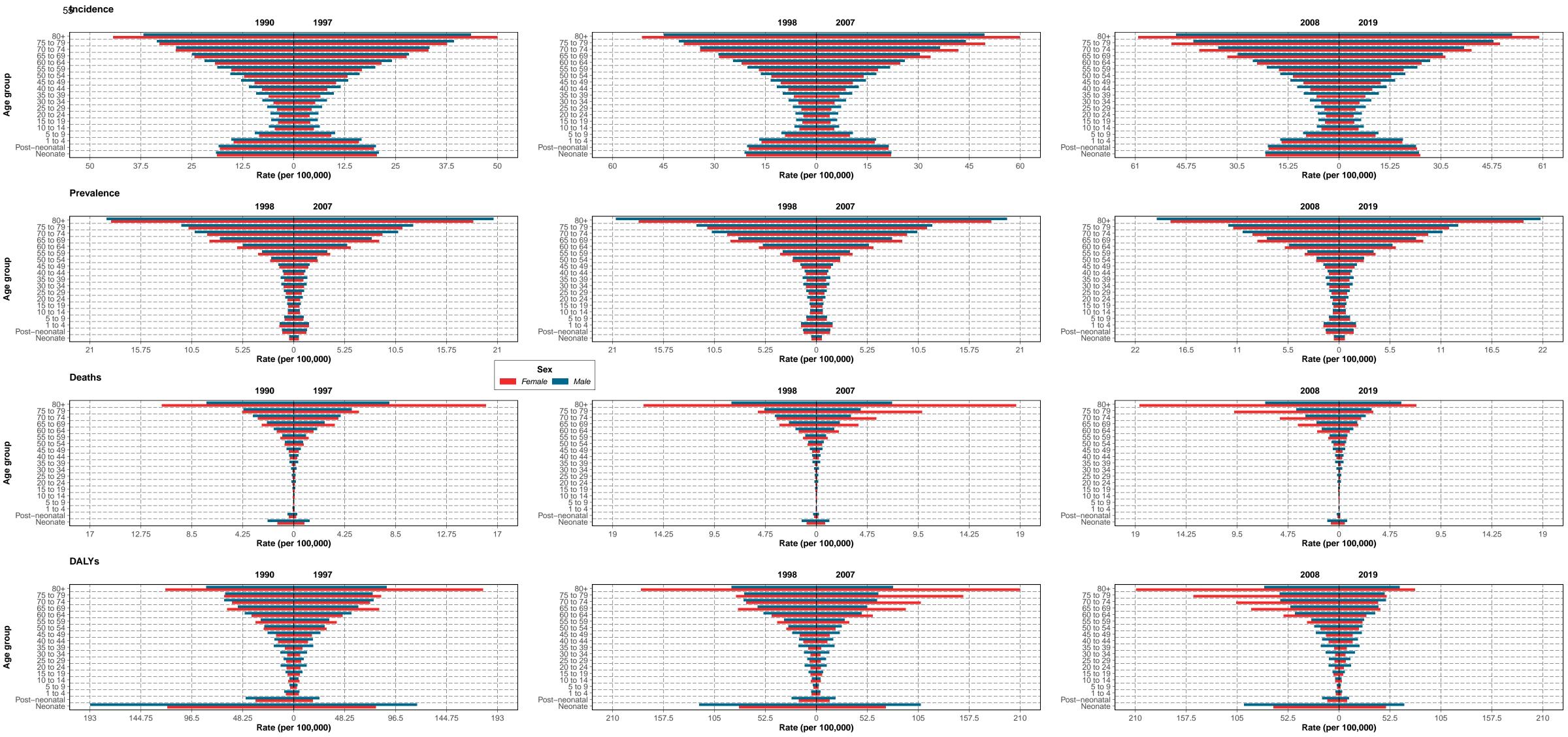




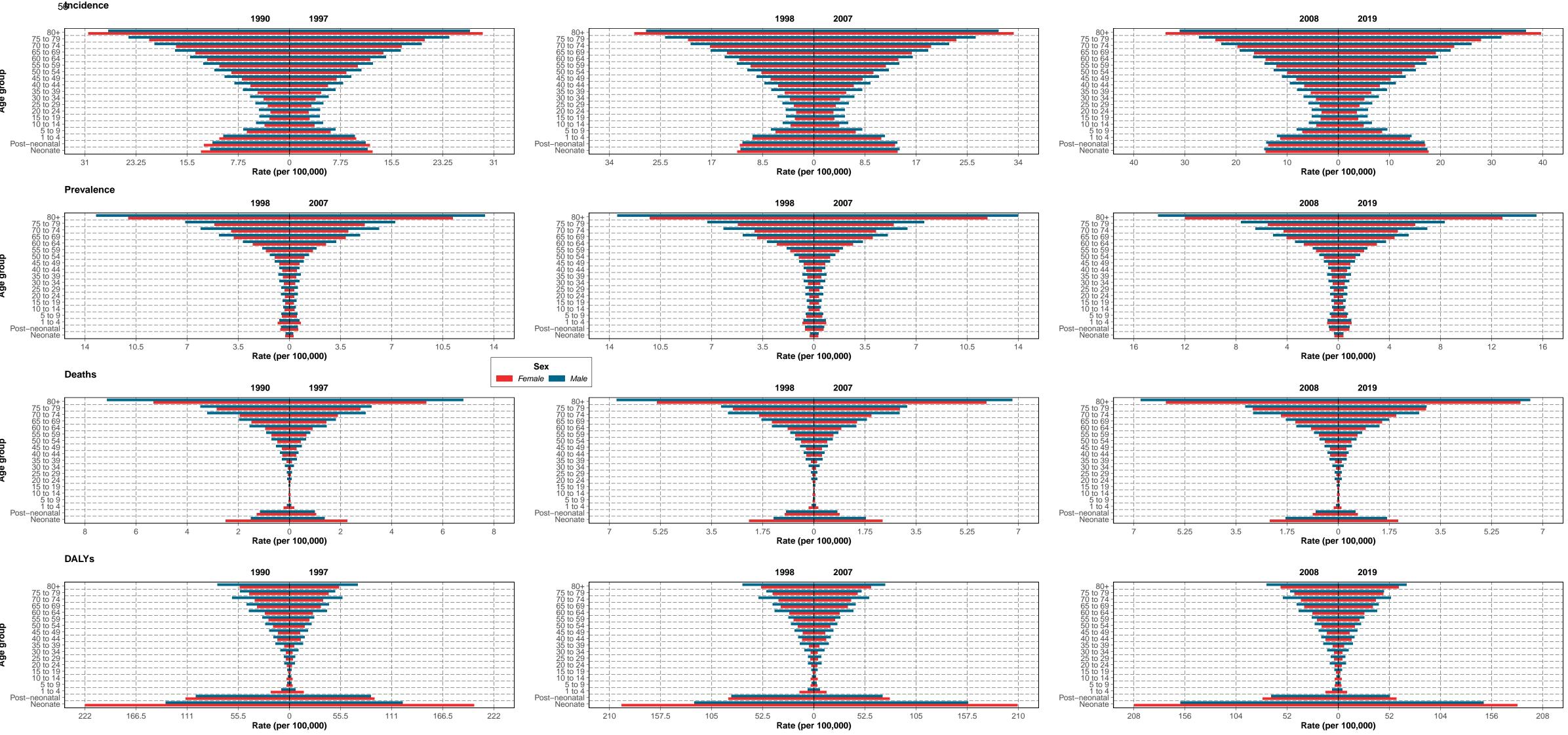
Tunisia

Turkey









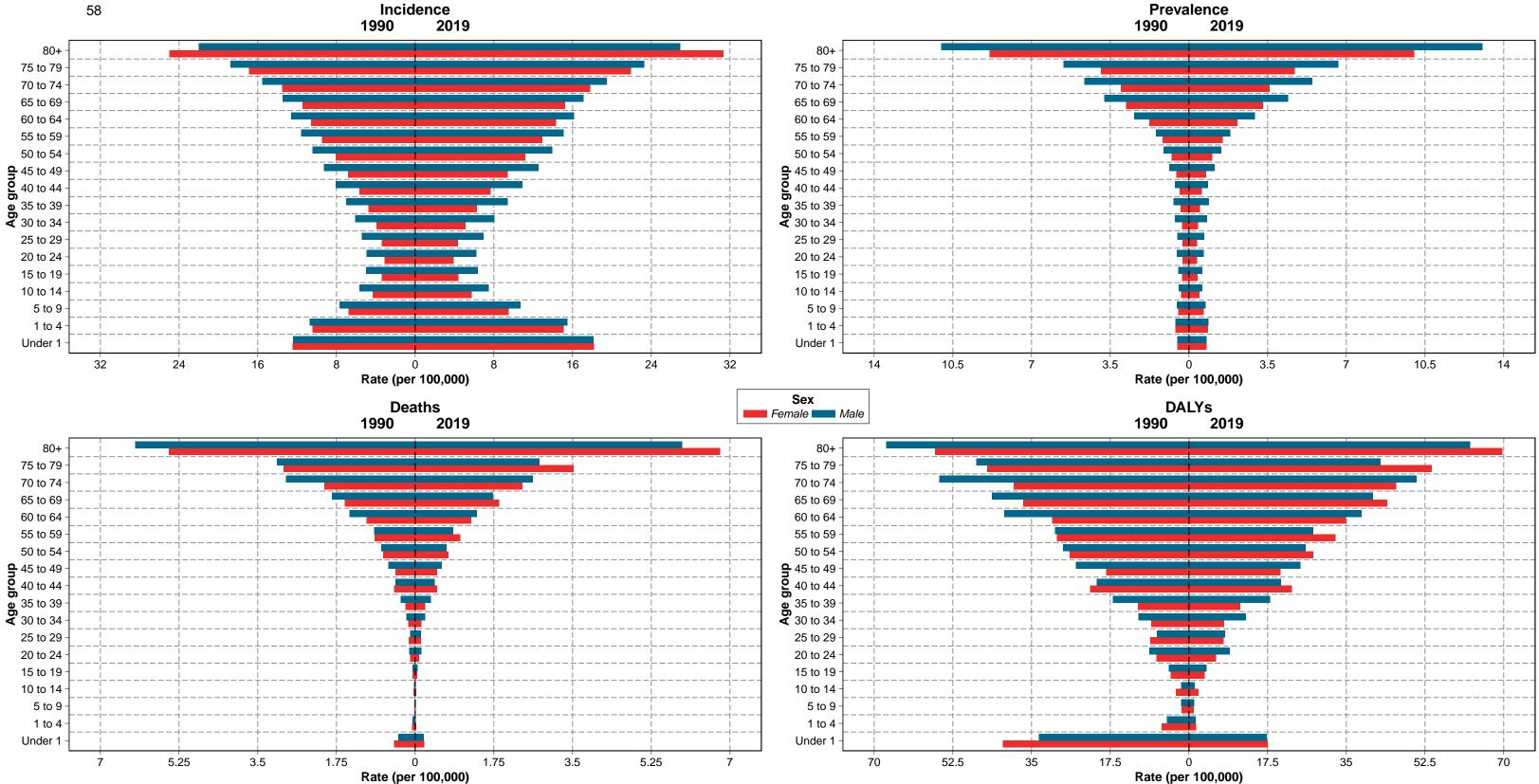
Yemen

S19Fig.

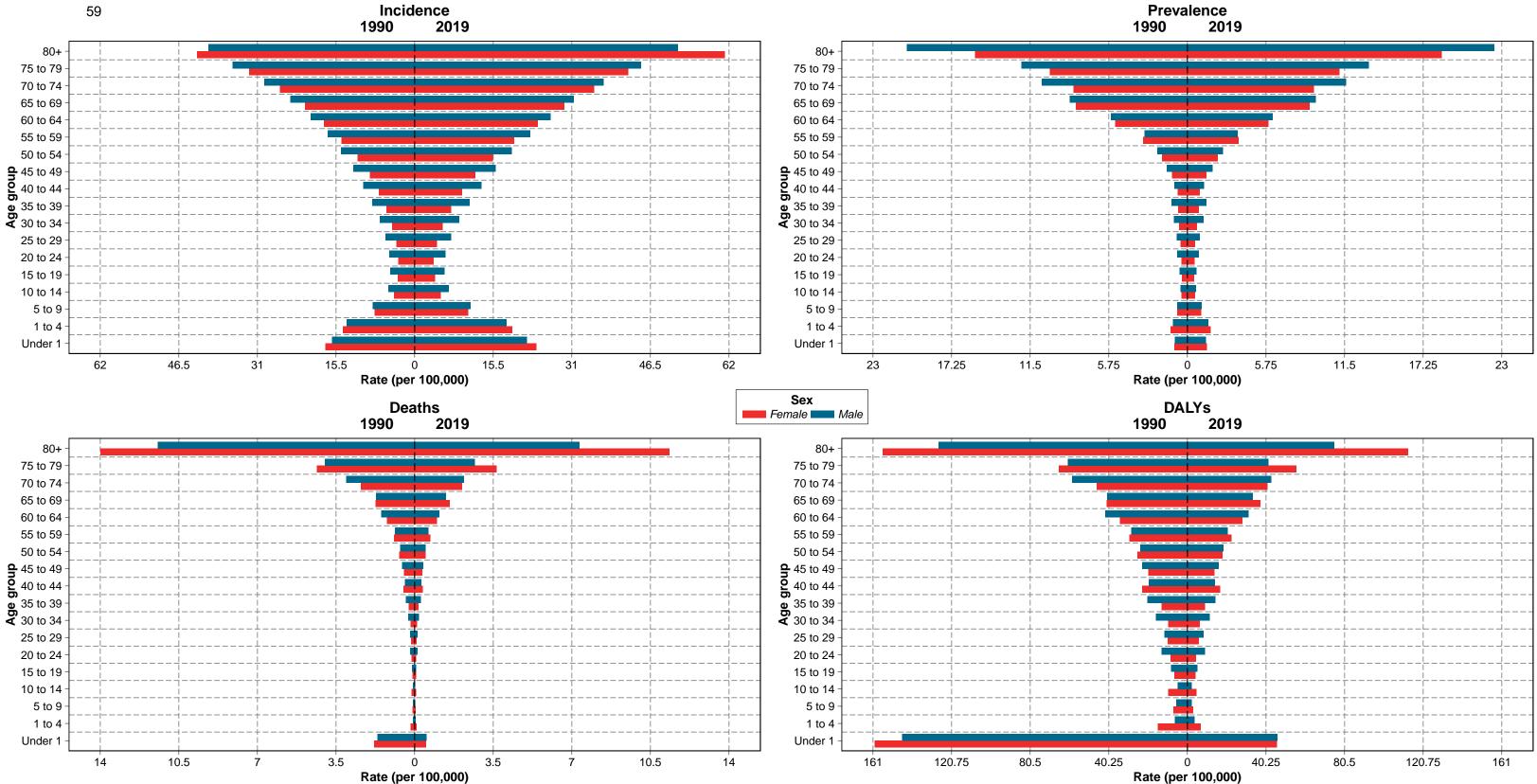
Rates (per 100,000) of incidence, prevalence, deaths, and DALYs of infective endocarditis in 21 countries of North Africa and the Middle

East in 1990 compared with 2019 according to eighteen age groups and sex

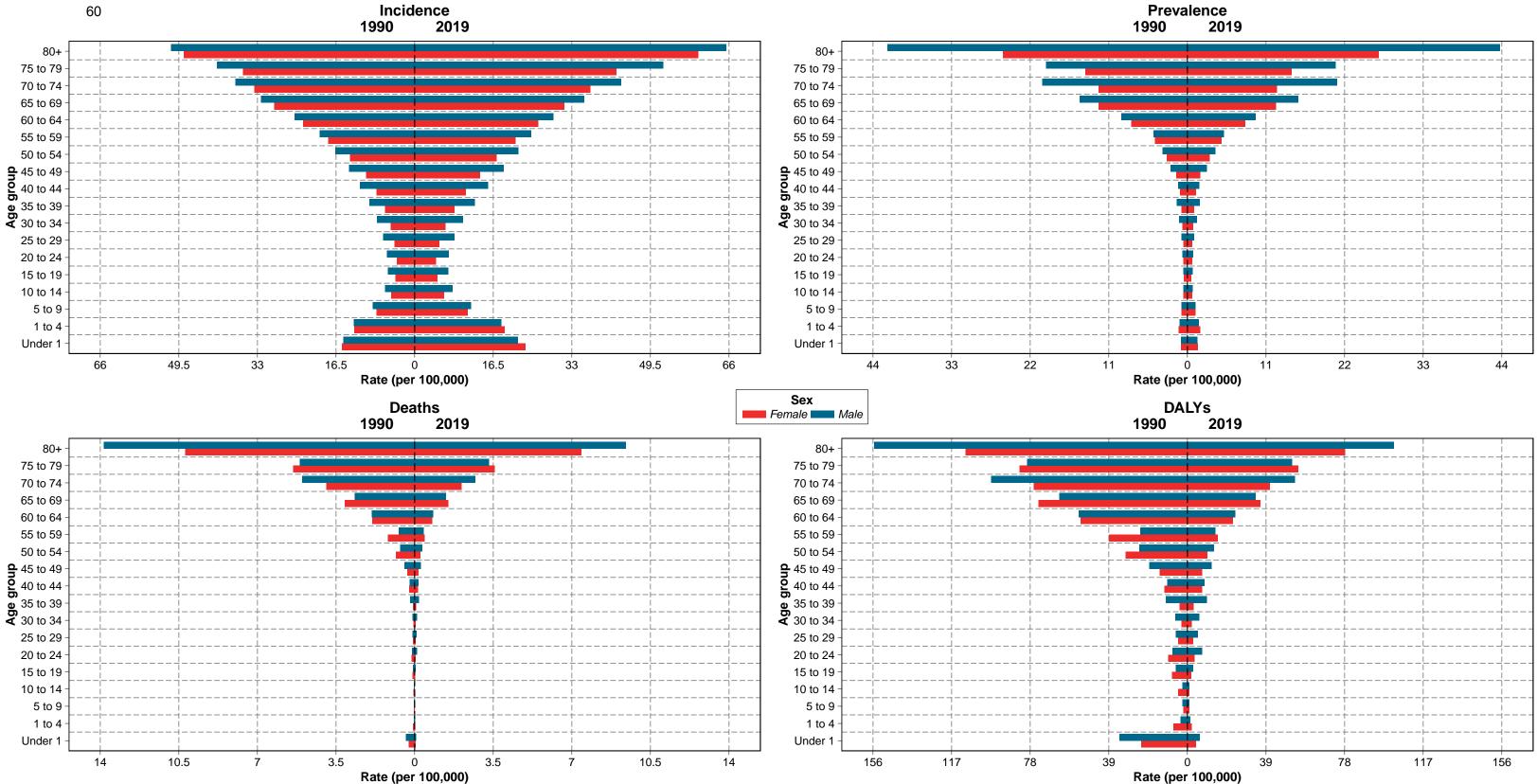
Afghanistan

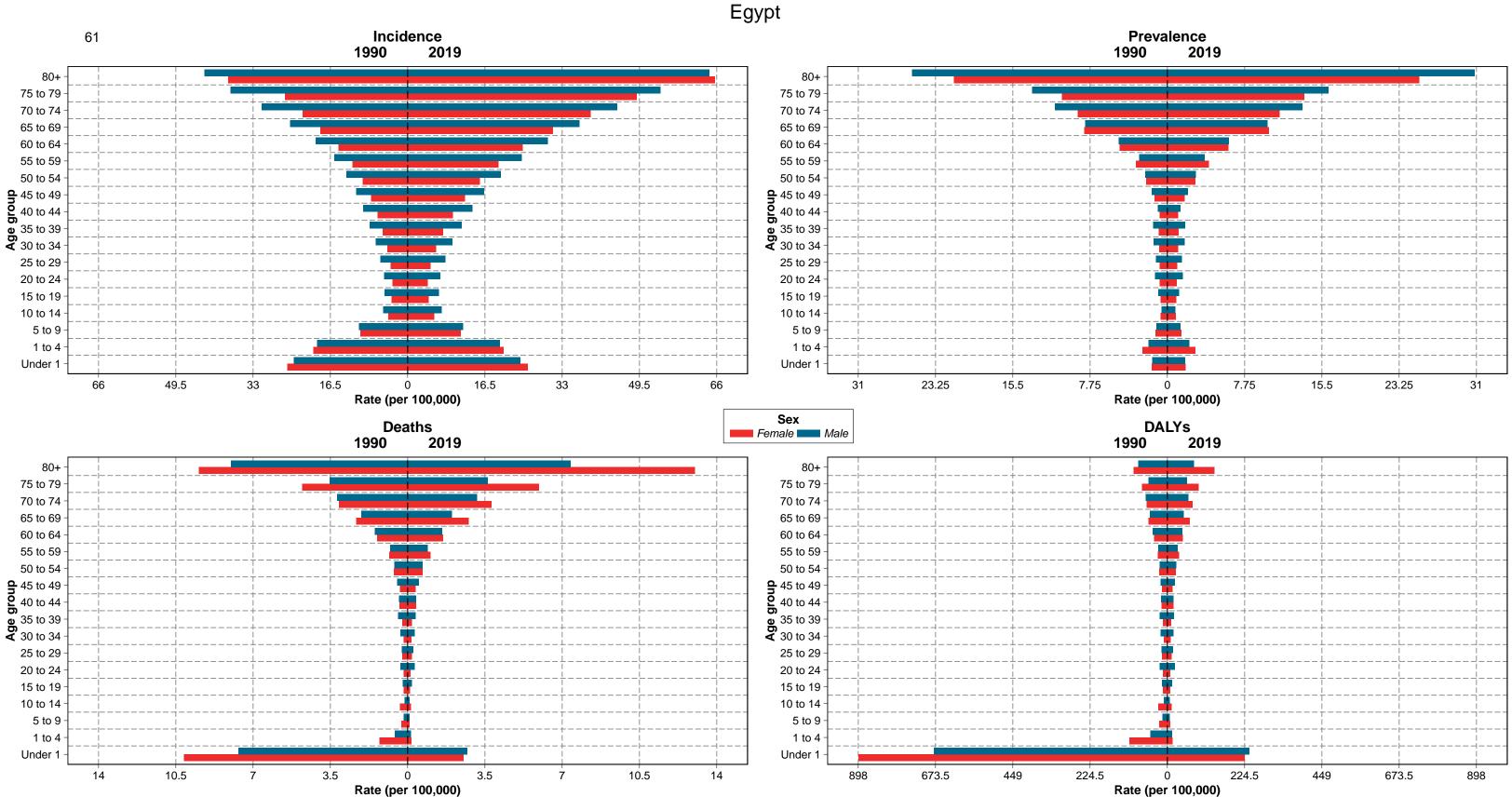


Algeria

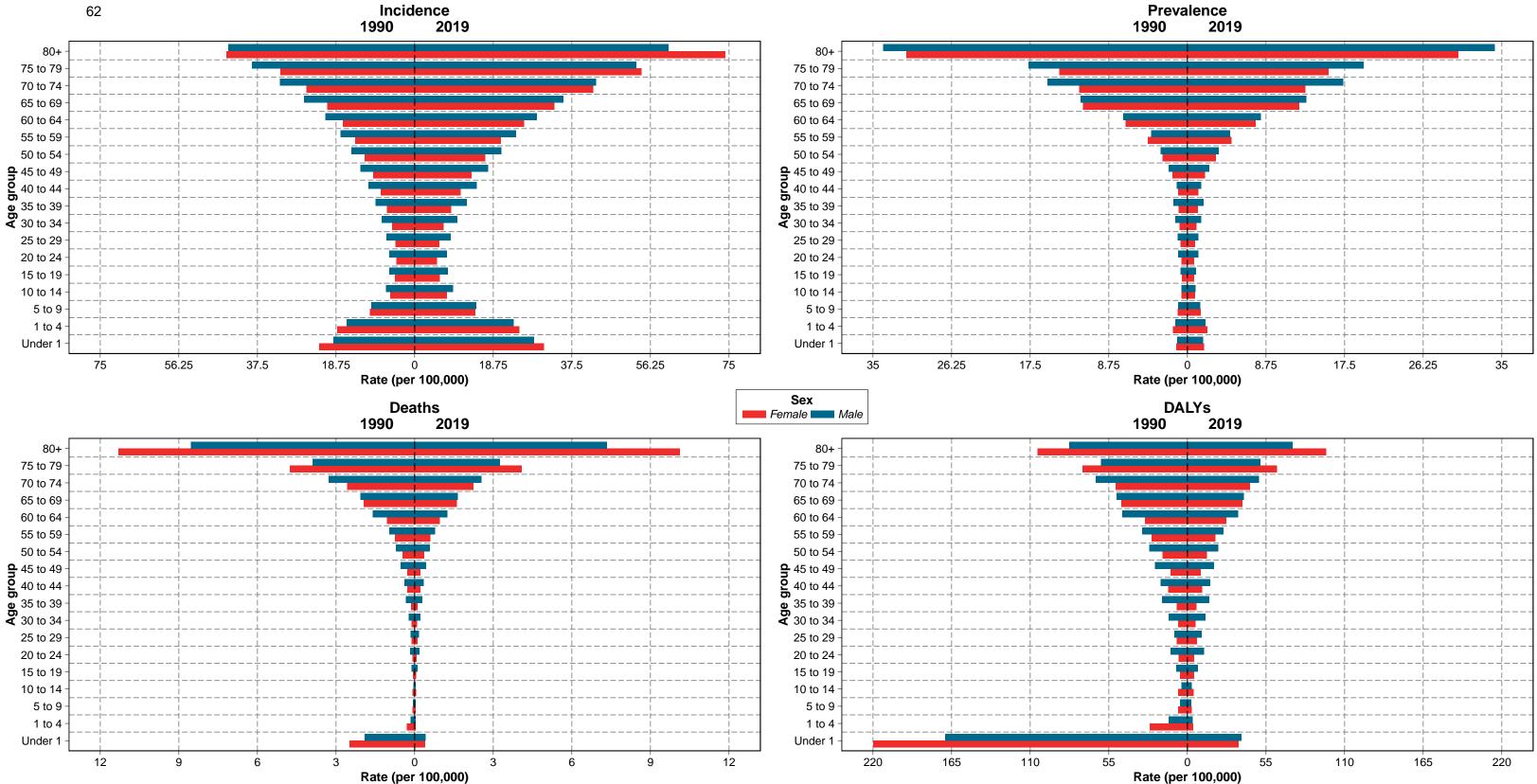


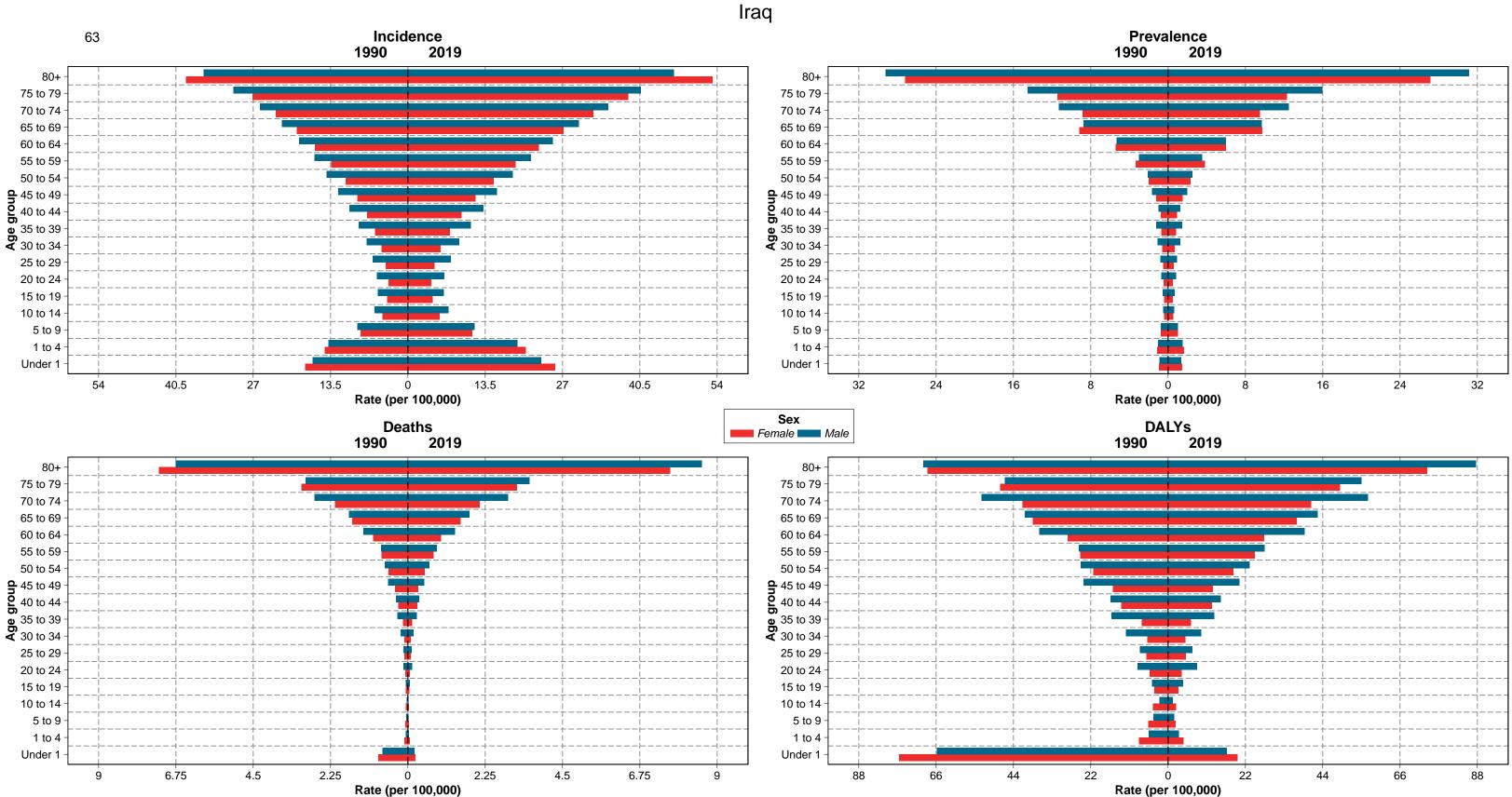
Bahrain



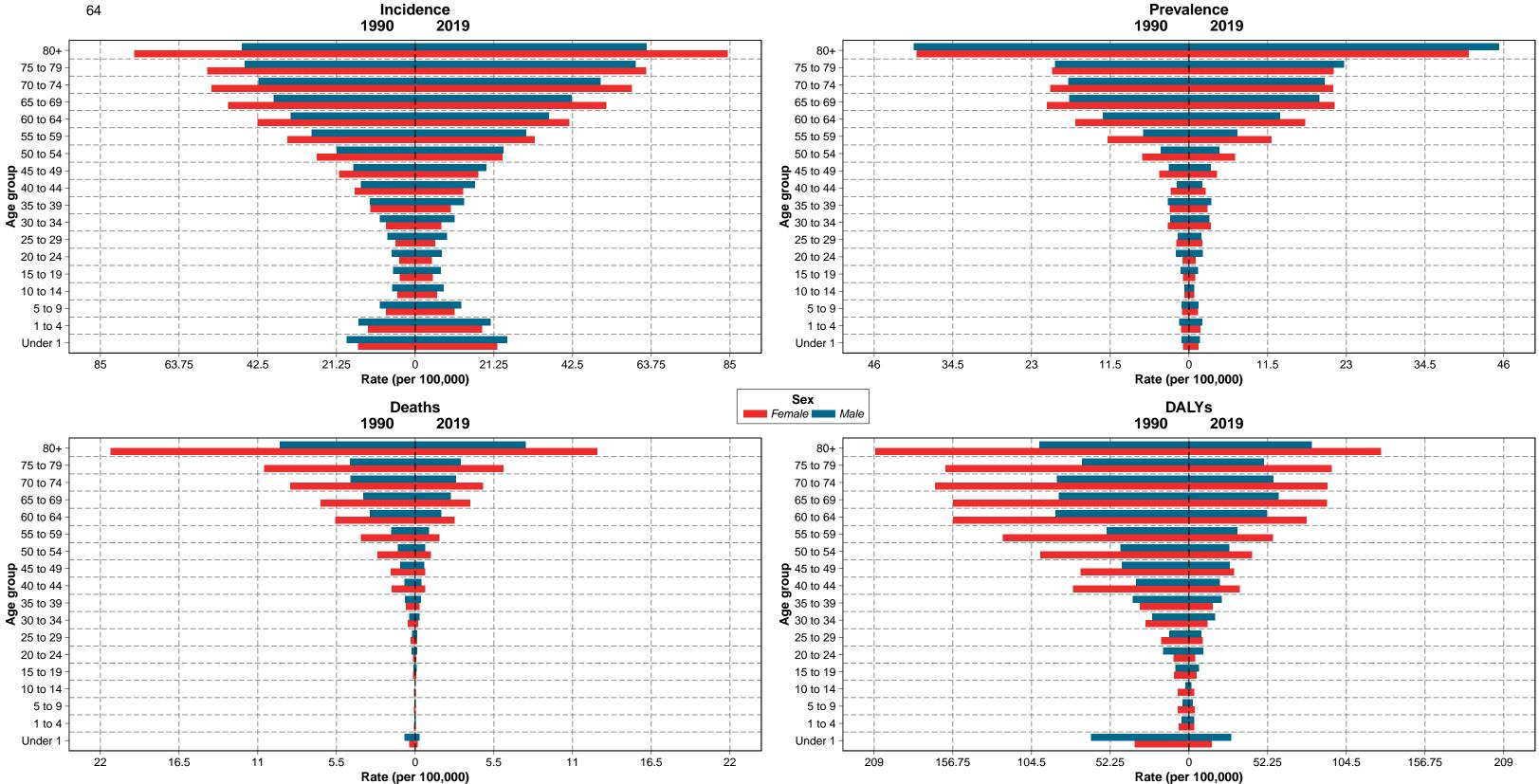


Iran (Islamic Republic of)

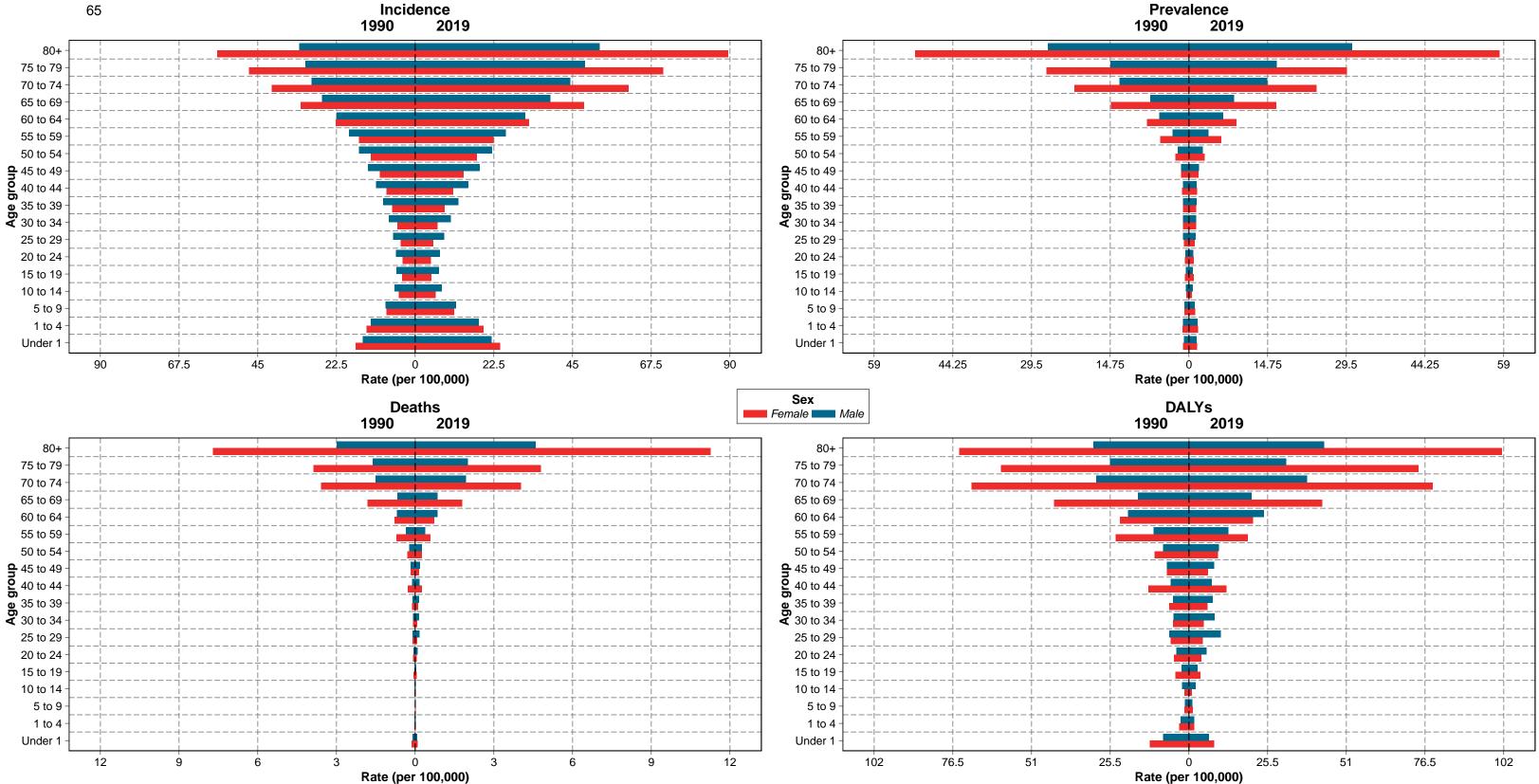




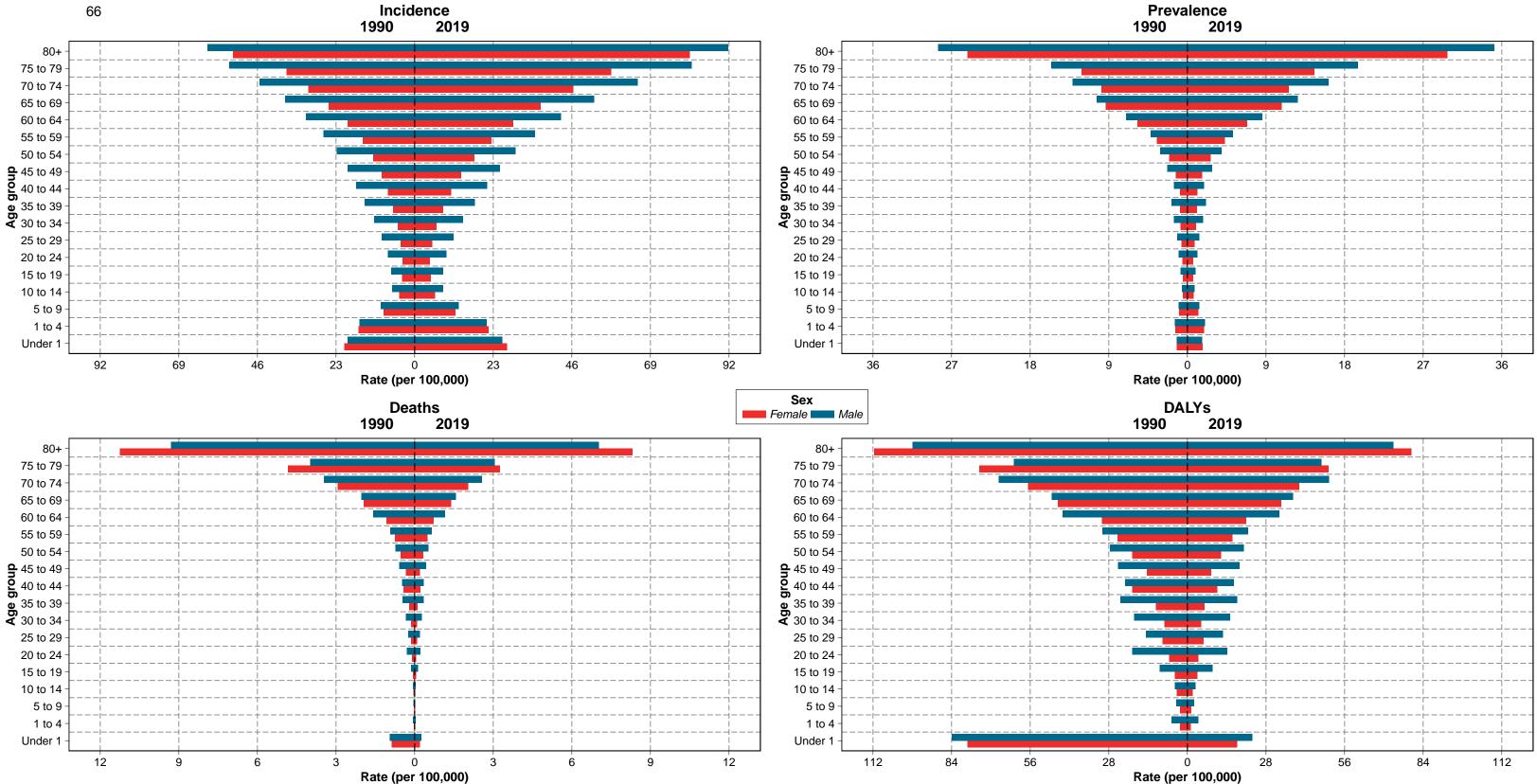
Jordan



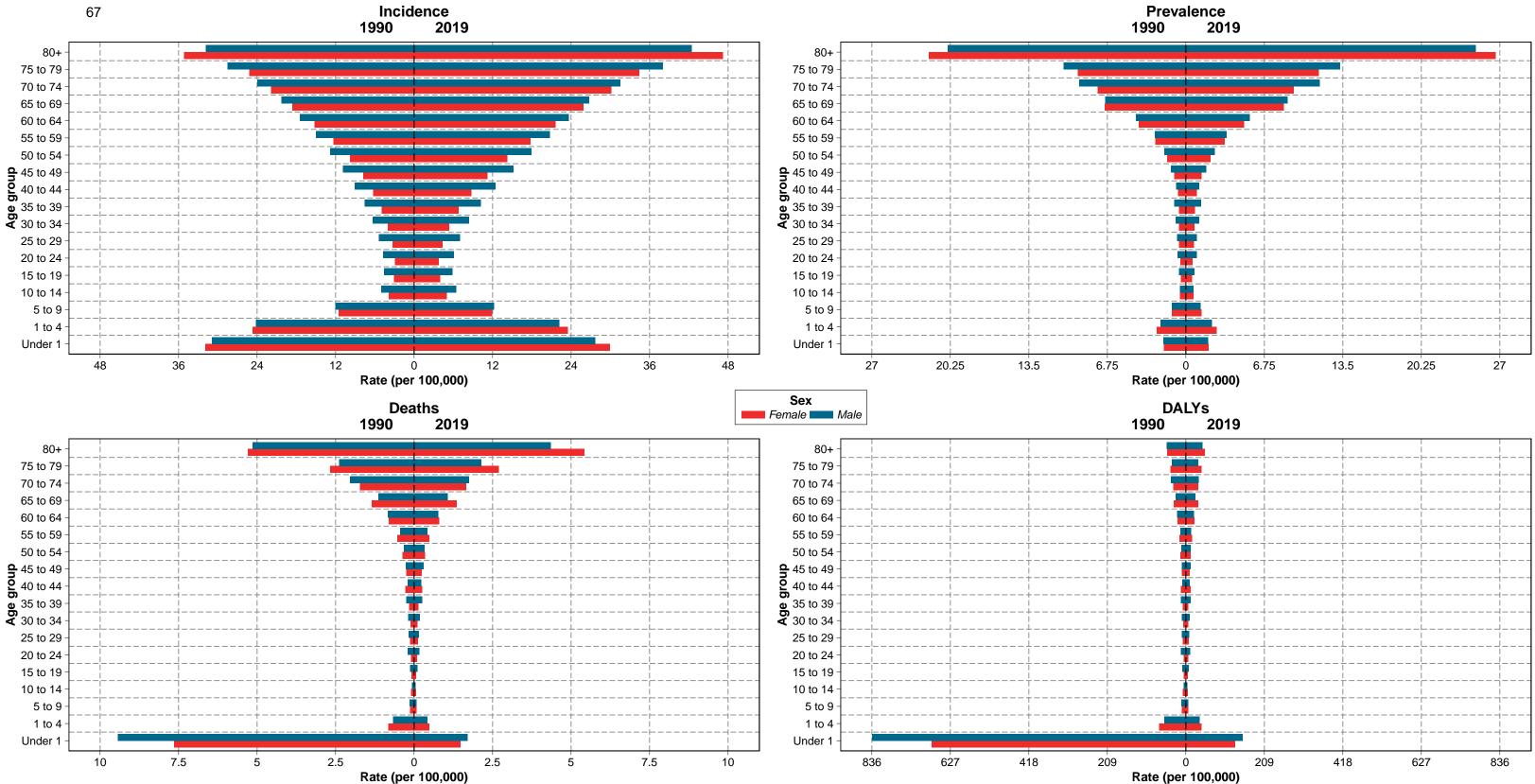
Kuwait



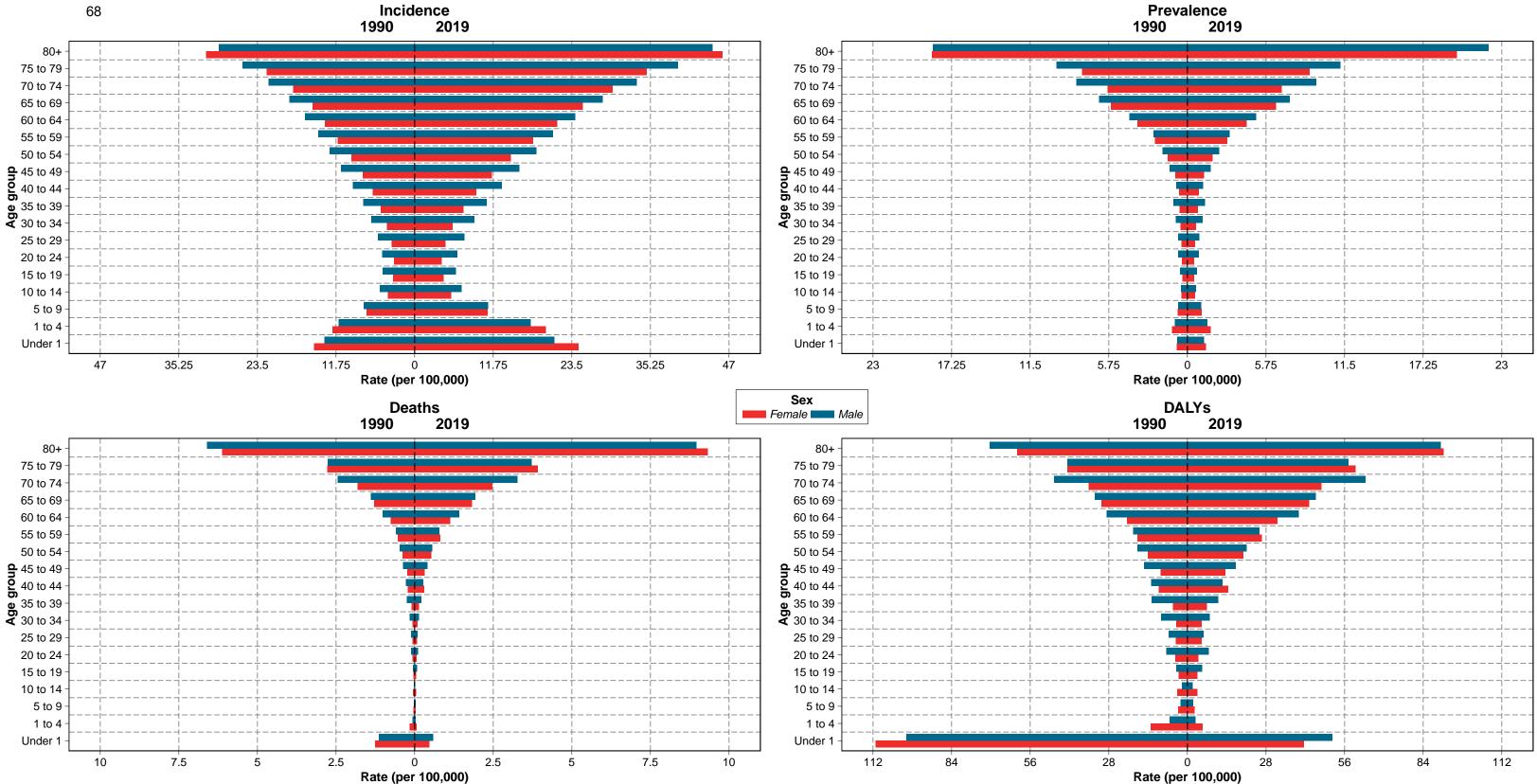




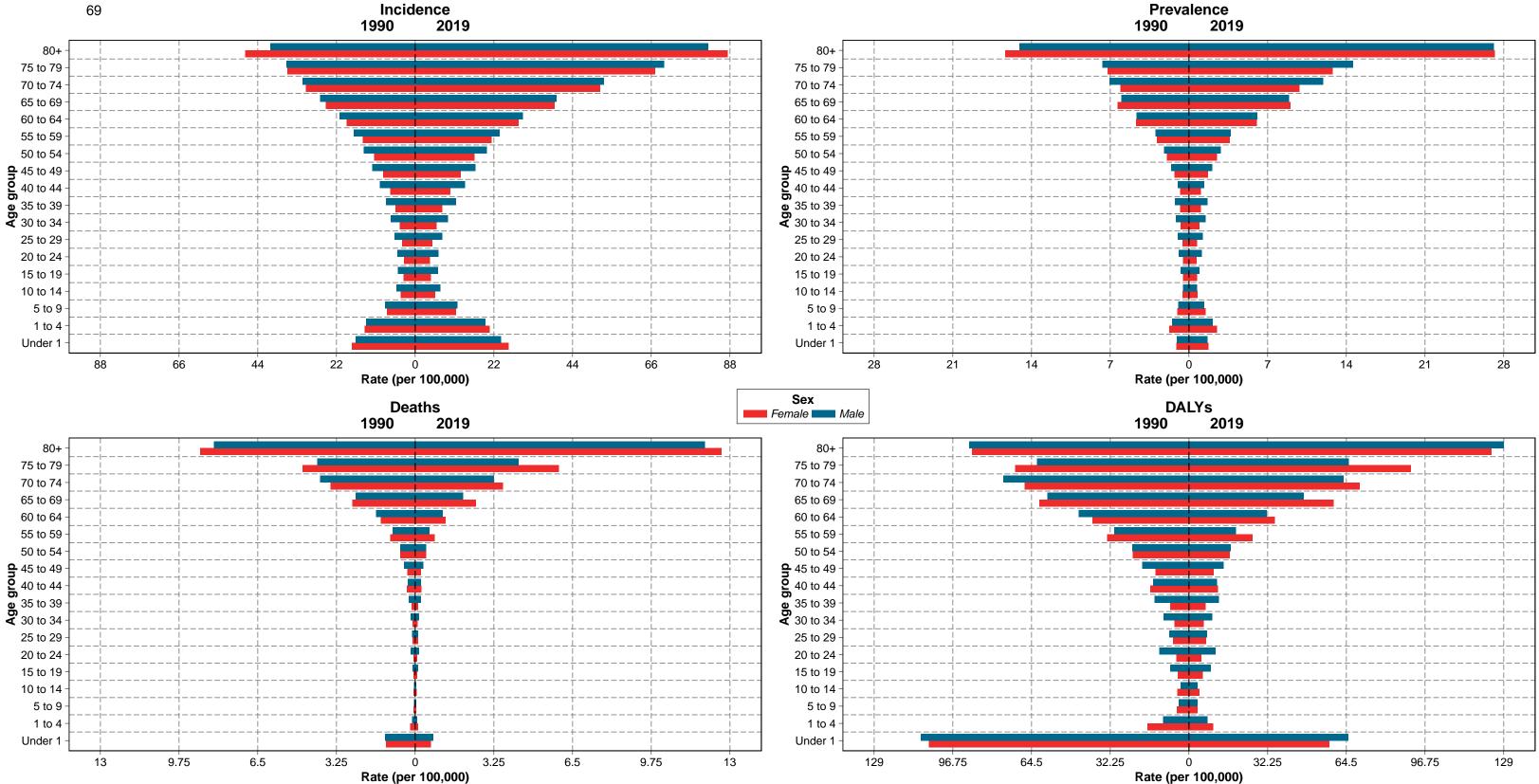


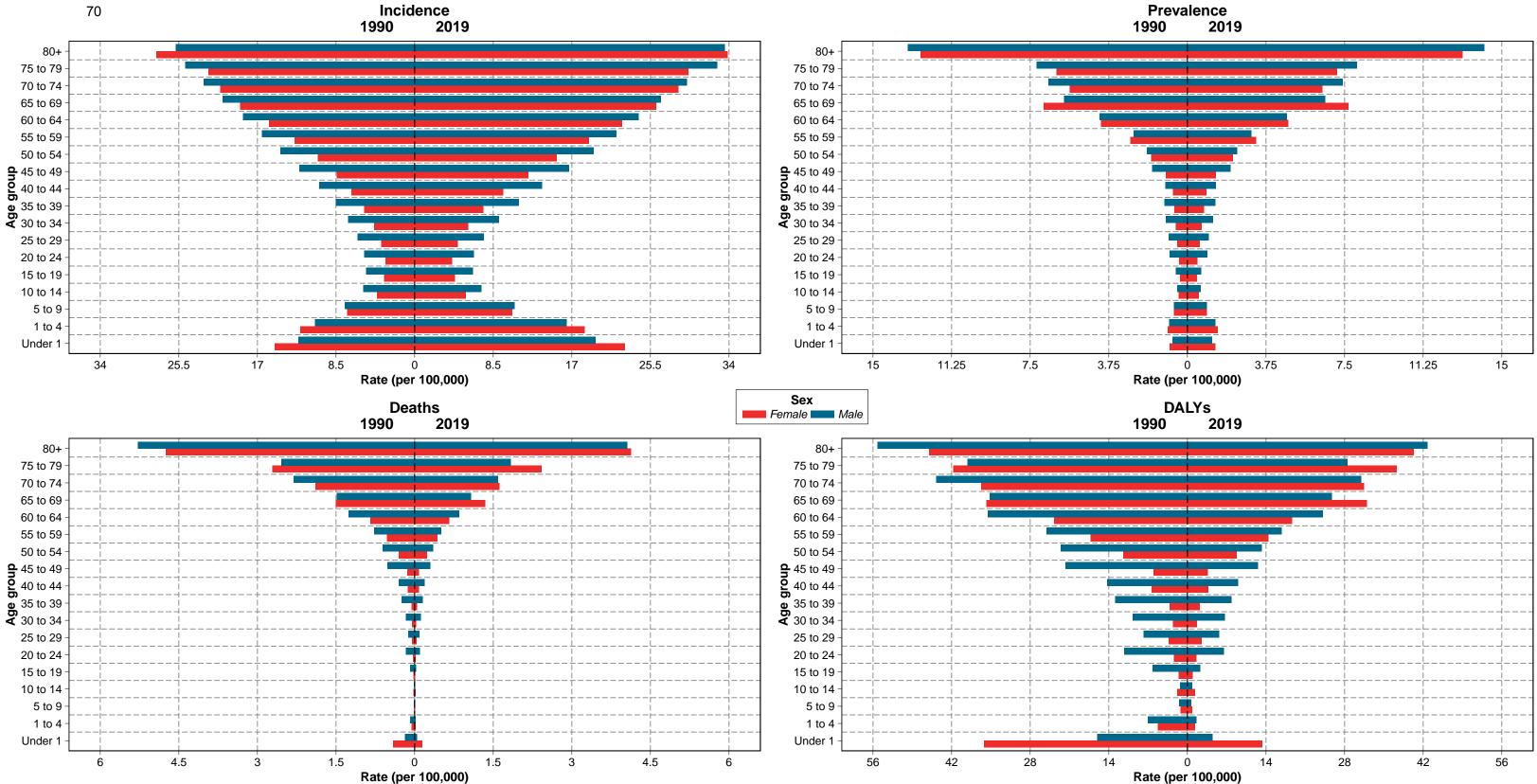






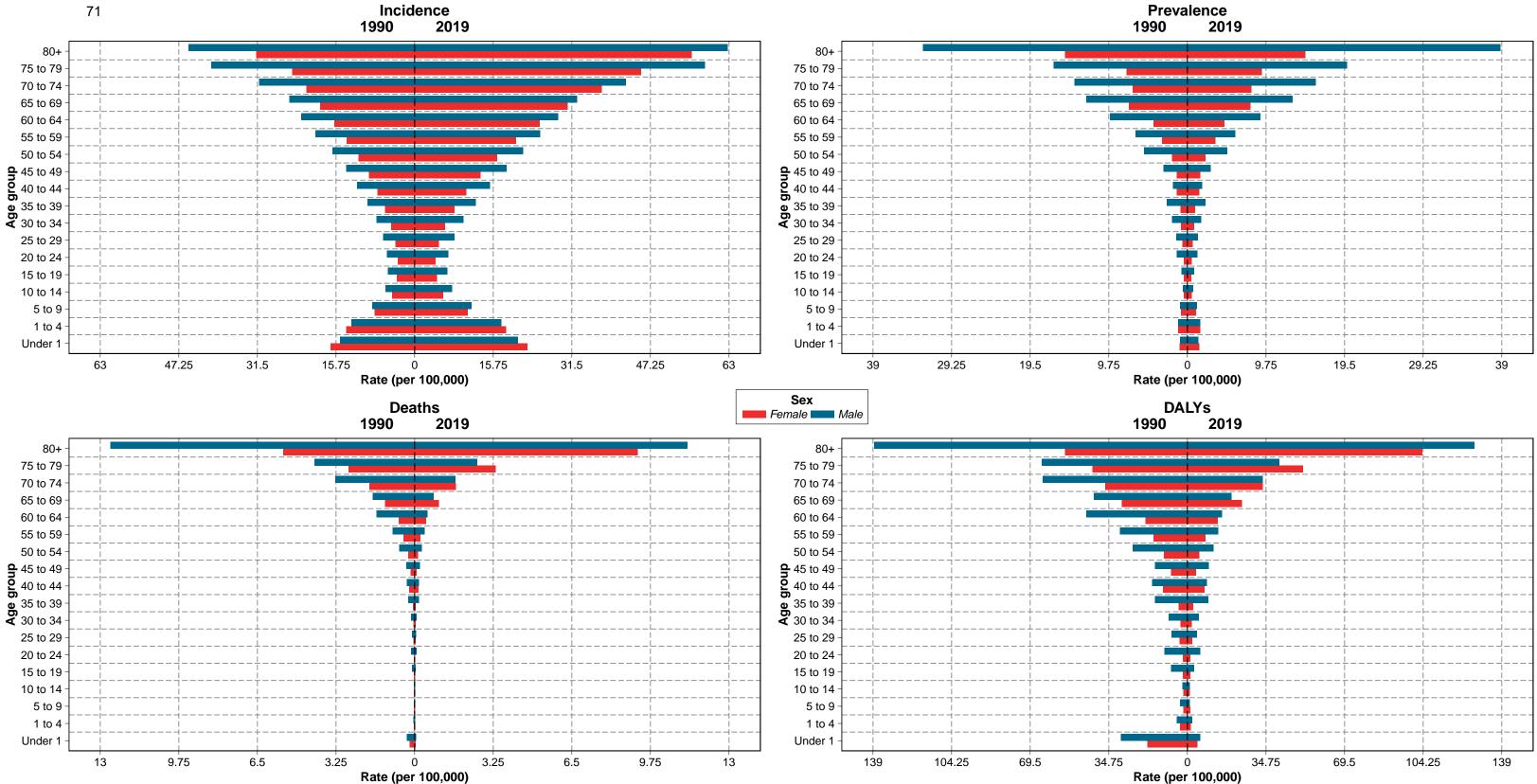
Oman



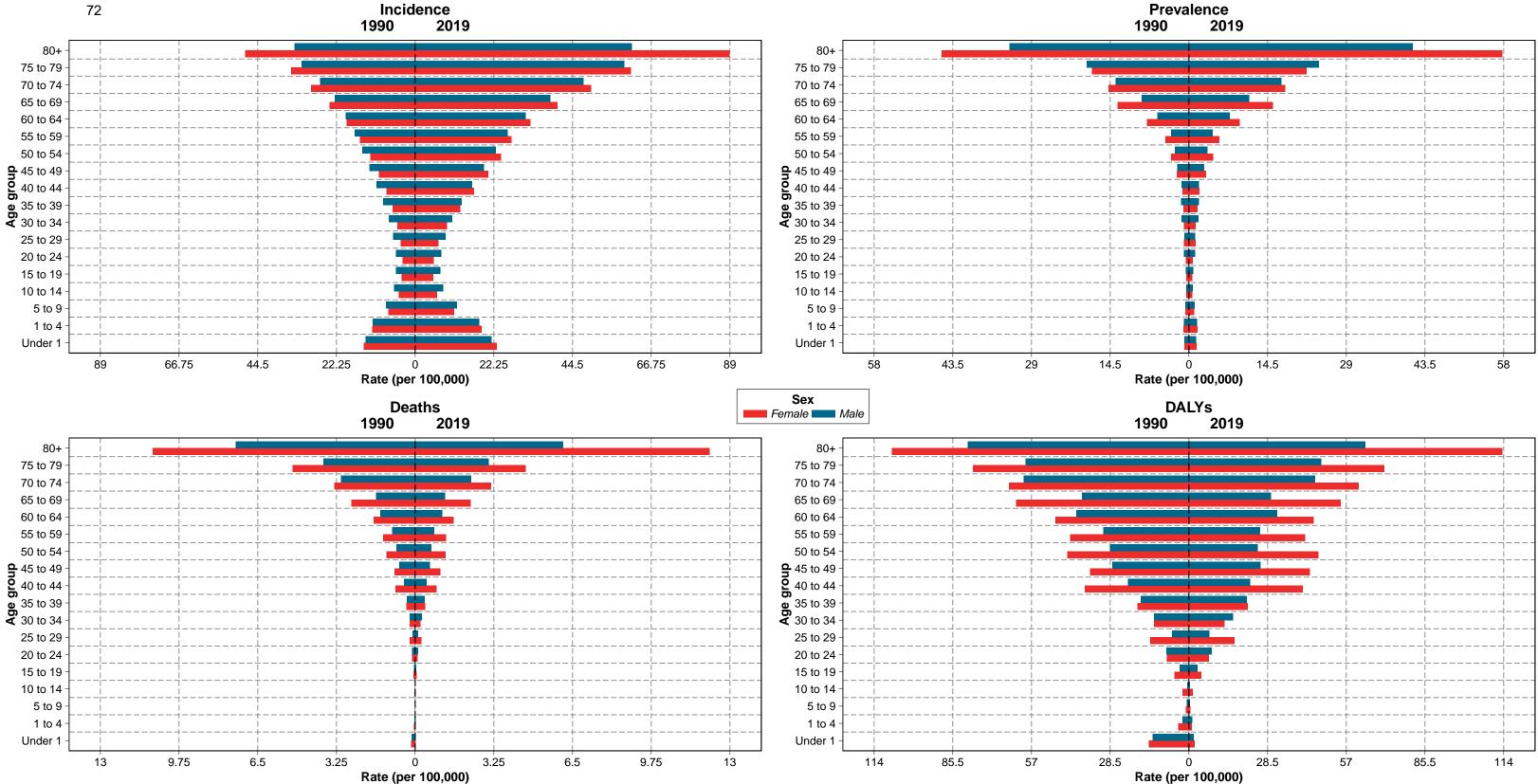


Palestine

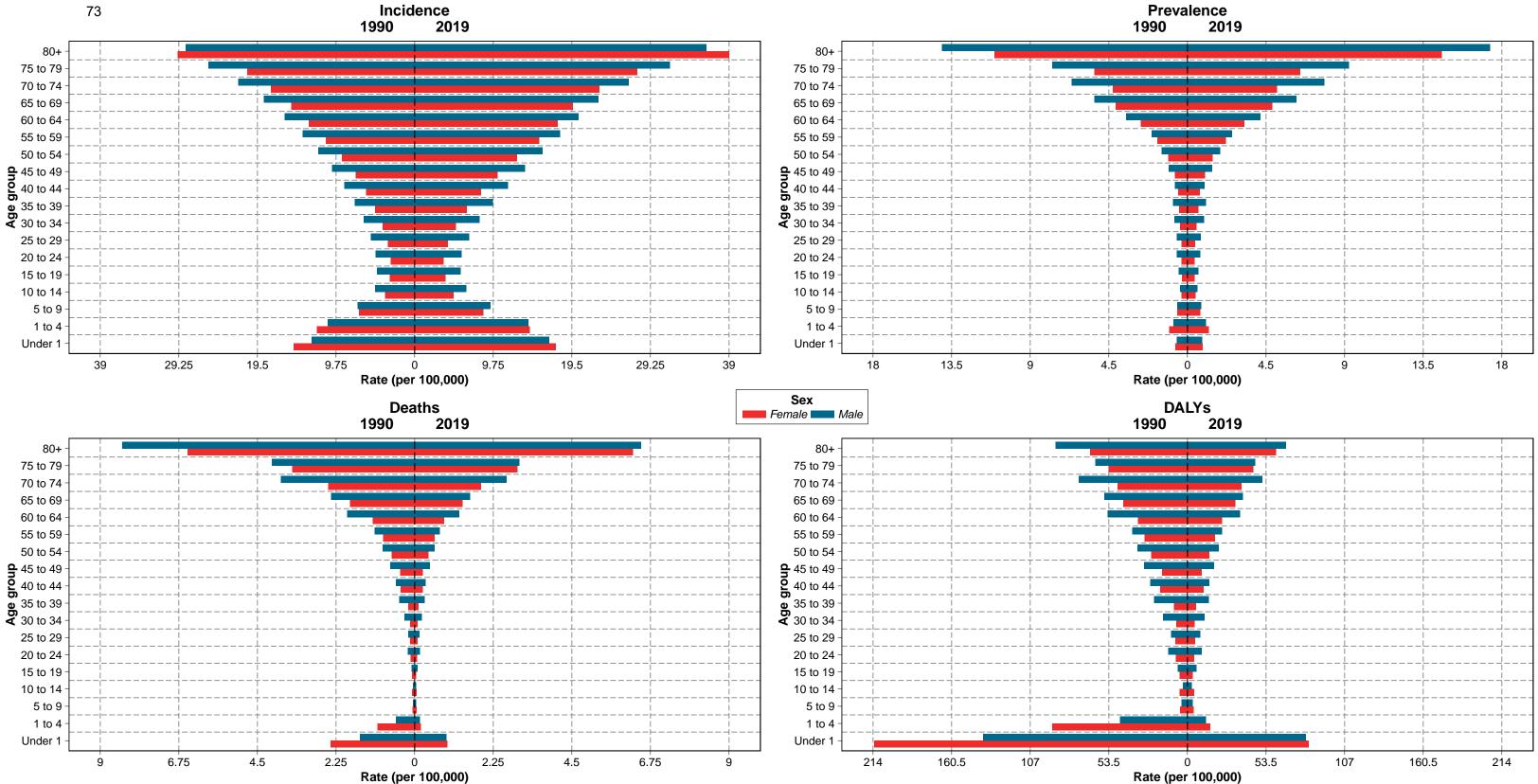


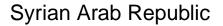


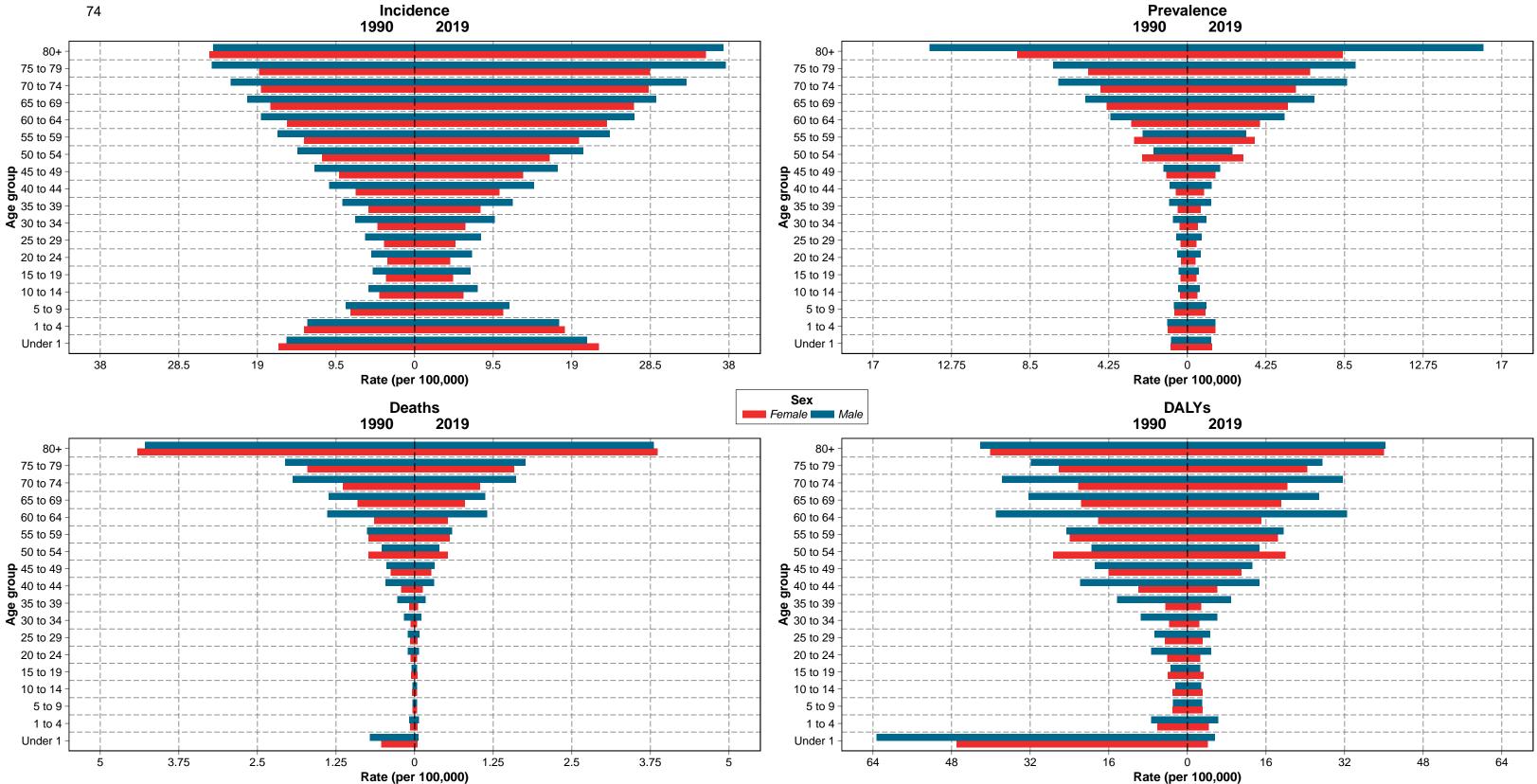
Saudi Arabia



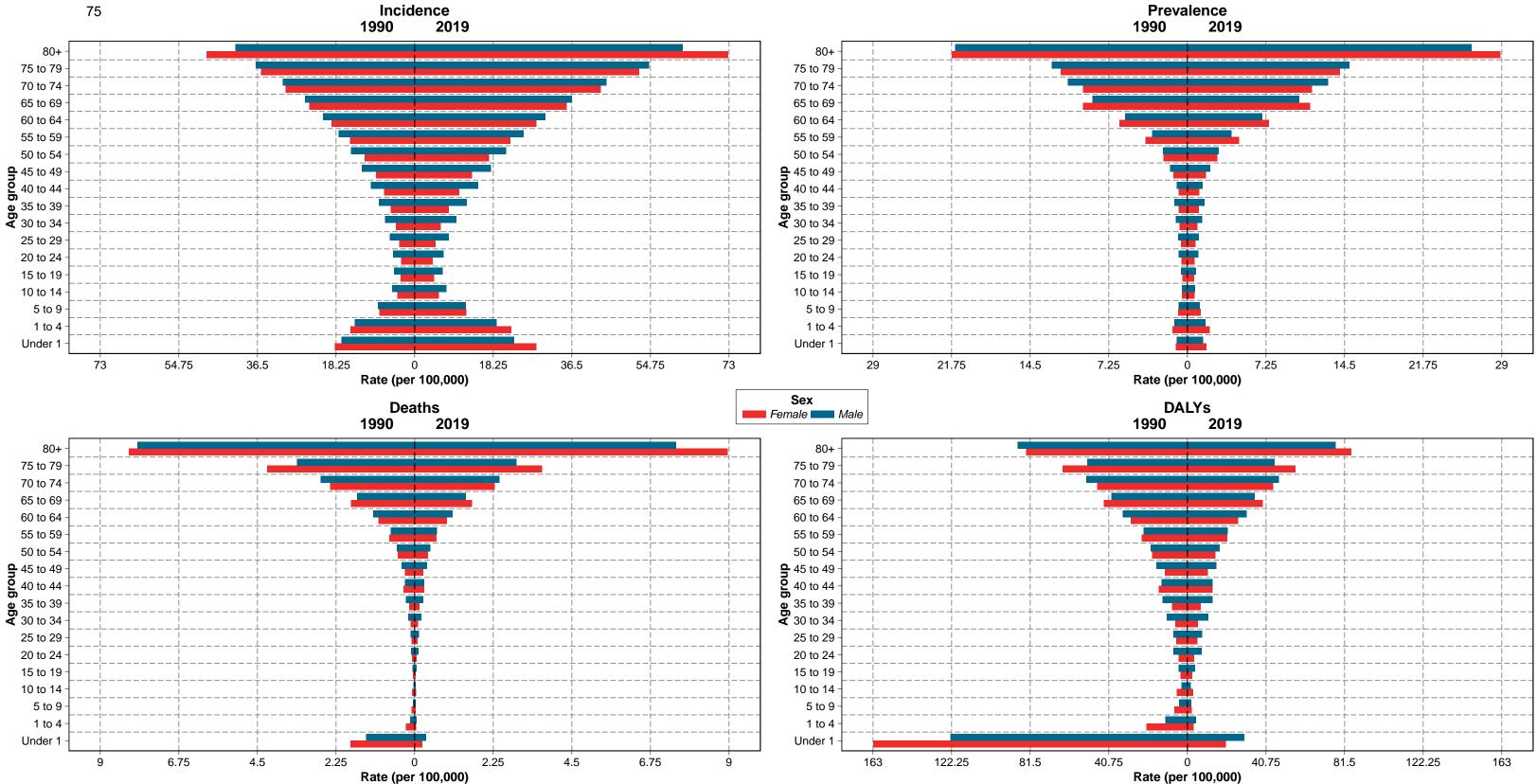




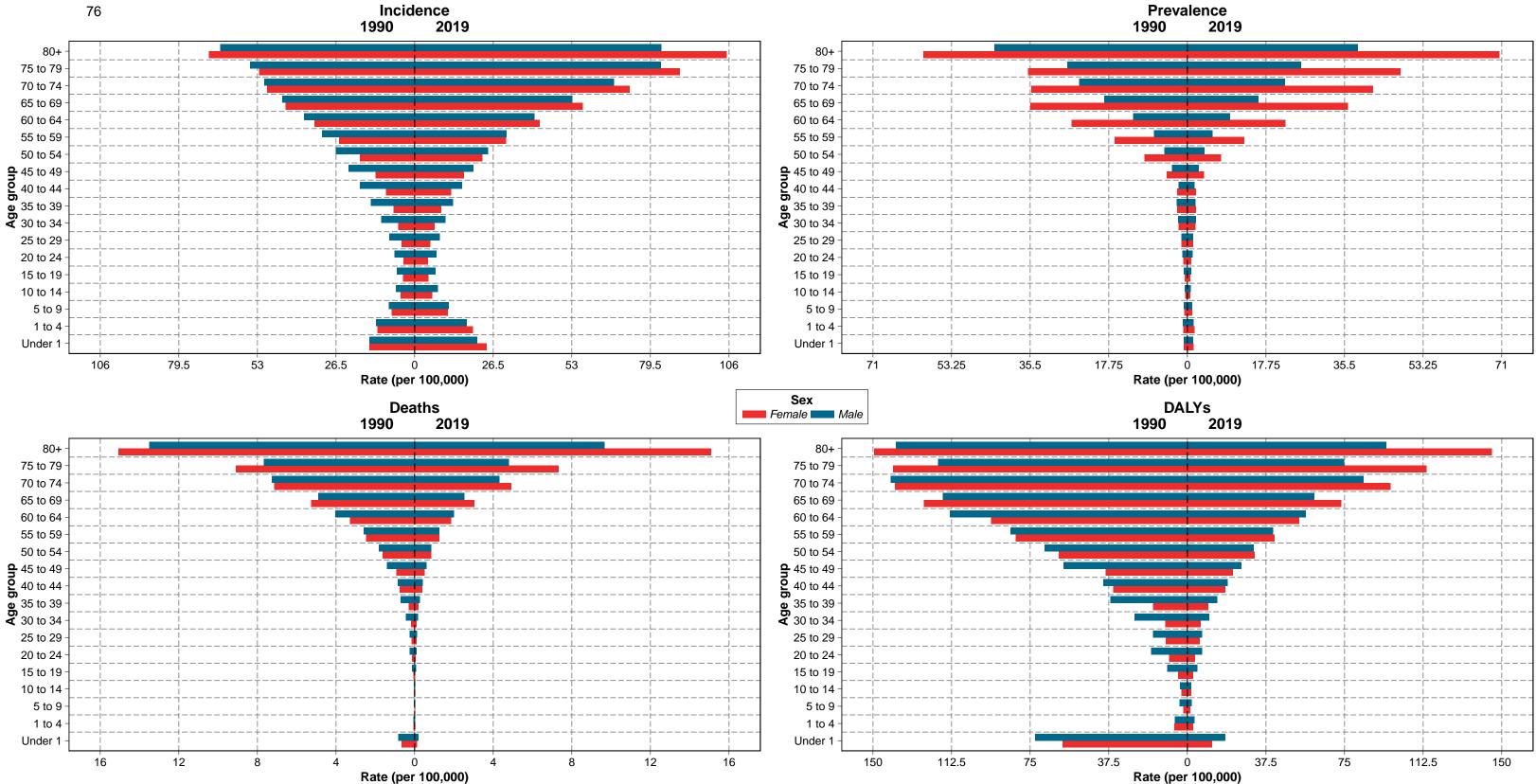


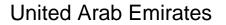


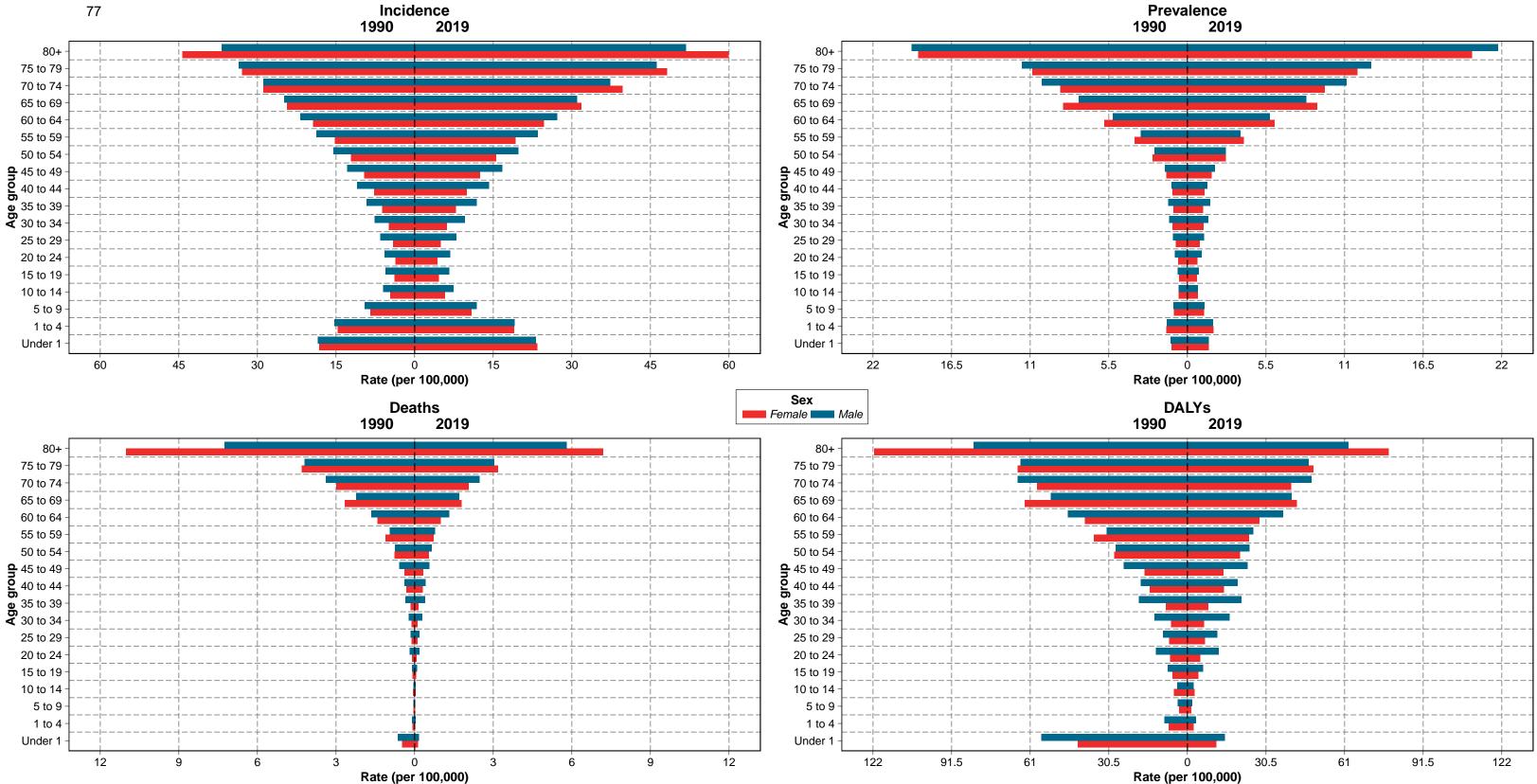
Tunisia



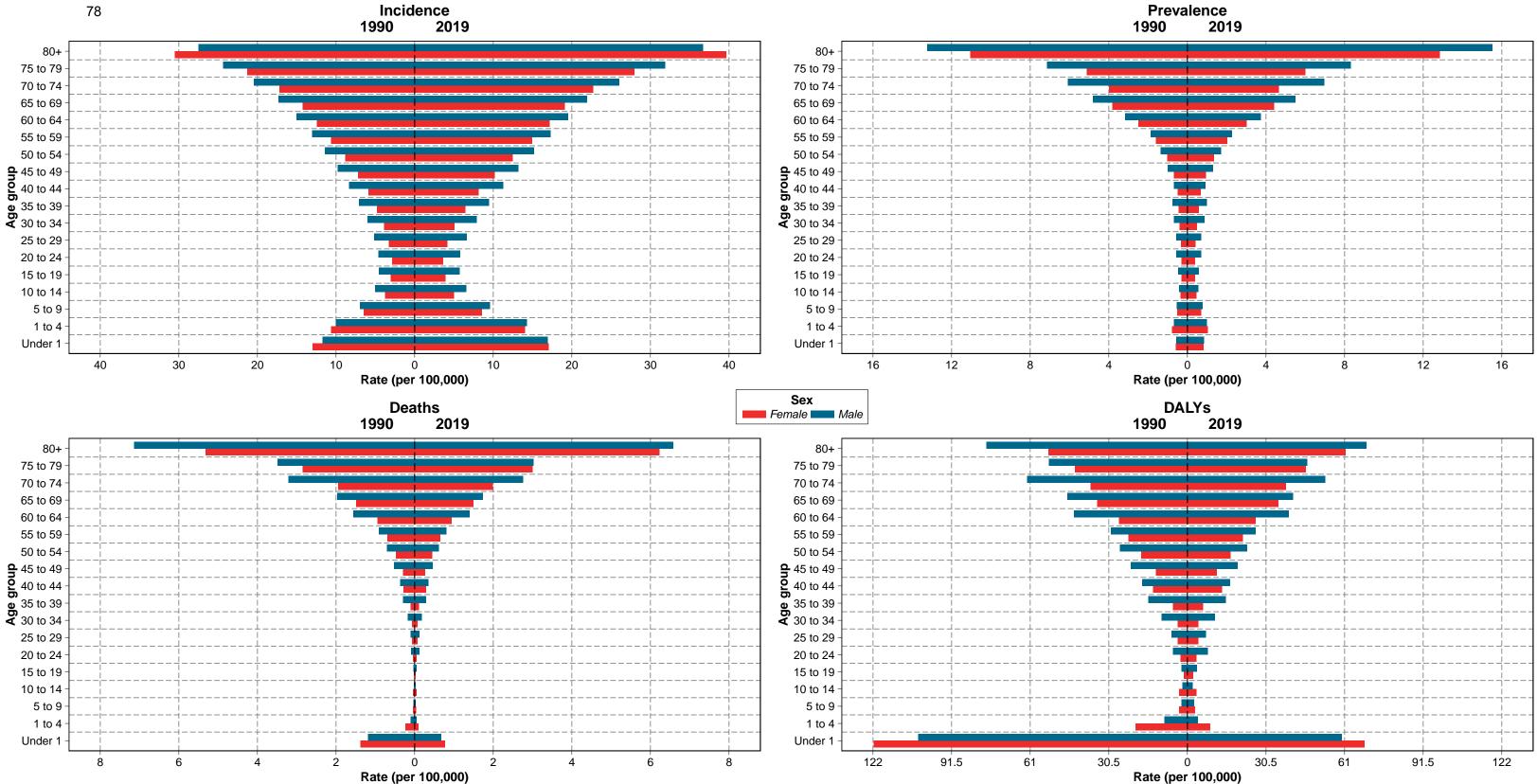












S20 Fig.

Temporal trend of age-standardized incidence rate per 100,000 in North Africa and the Middle East region and the 21 countries of this region

(Reference: https://vizhub.healthdata.org/gbd-compare/)

