

# Understanding Heart Diseases in OECD Countries

*Last Updated: May 2025\**

## Summary :

This report presents a comprehensive analysis of heart disease trends in OECD countries over the period 2000 to 2020, with a focus on benchmark years: 2000, 2005, 2010, 2015, and 2020. It examines shifts in mortality rates and the impact of lifestyle factors such as alcohol and tobacco use, healthcare access, and insurance coverage. Incorporating health, social, economic, and regional development perspectives, the report underscores the urgent need for integrated, evidence-based strategies to reduce the long-term burden of cardiovascular disease.

## Data Sources :

### Health :

- *Causes of Mortality*
- *Alcohol consumption*
- *Tobacco consumption*
- *Body Weight*
- *Healthcare Utilisation*
- *Healthcare Coverage*
- *Food Supply and Consumption*
- *Potential Years of Life Lost (PYLL)*
- *Healthcare Provider Resources*



BETTER POLICIES FOR BETTER LIVES

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## Health :

- Causes of Mortality
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- Food Supply and Consumption
- Potential Years of Life Lost (PYLL)
- Healthcare Provider Resources

## Society :

- Sustainable Development Goal 03 - Good health and well-being (SGD)

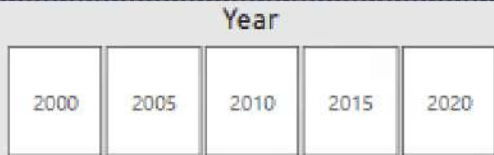
## Economy :

- Annual government expenditure by function (COFOG)

## Regional, rural and urban development :

- Health care - Regions (Active Physicians)

Prevalence and Mortality Rates of Heart Disease



Total Deaths

9.56M

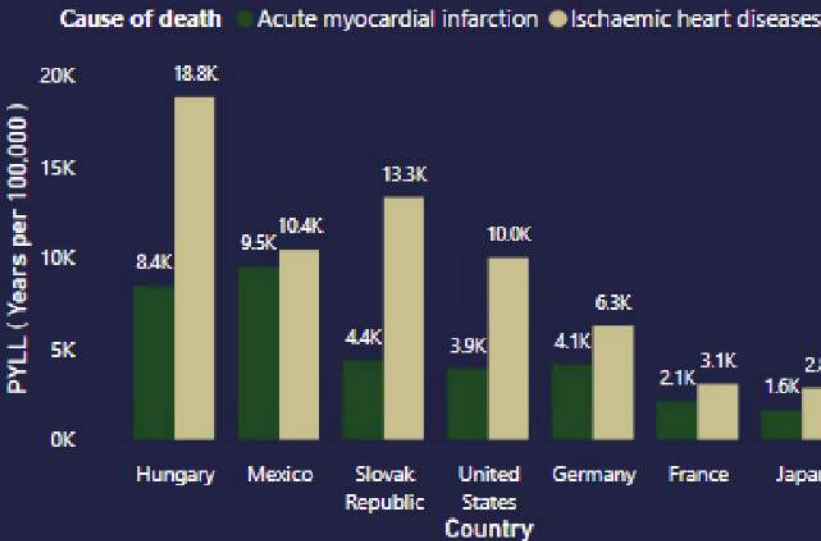
Average Mortality Rate  
(per 100 000 inhabitants)

132.68

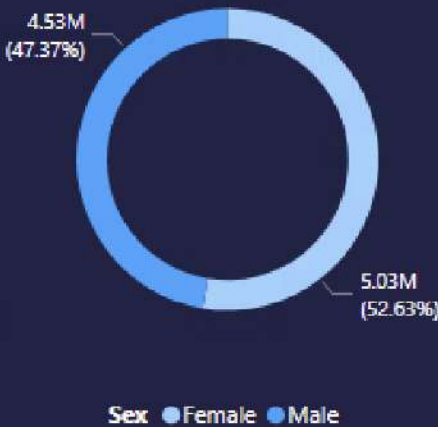
Average Potential Years Of Life Lost  
(per 100 000 inhabitants)

776.50

Potential Year Of Life Lost (PYLL) by Country



Heart Disease Deaths by Sex (in Millions)



Insights & Summary

Total Mortality Rate was higher for Ischaemic heart diseases (20,612.70) than Acute myocardial infarction (7,249.10).

2000 in Cause of Death Ischaemic heart diseases made up 17.44% of Mortality Rate.

Average Mortality Rate was higher for Ischaemic heart diseases (4,122.54) than Acute myocardial infarction (1,449.82).

Mortality Rate for Ischaemic heart diseases and Acute myocardial infarction diverged the most when the Year was 2005, when Ischaemic heart diseases were 3,117.30 higher than Acute myocardial infarction.

Mortality Rate Trend (per 100,000 inhabitants)





# Lifestyle Determinants of Heart Disease

Country

France

Germany

Hungary

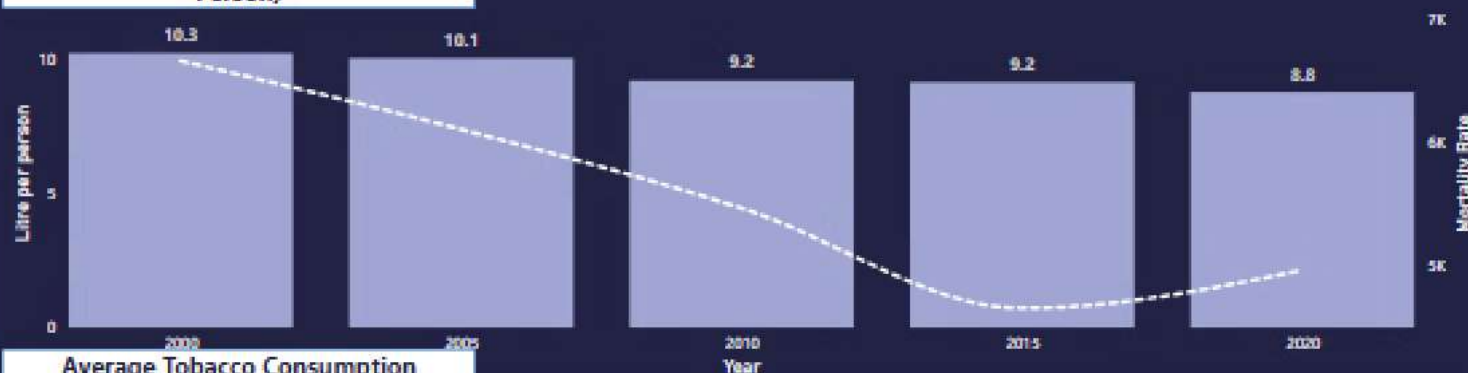
Japan

Mexico

Slovak Republic

United States

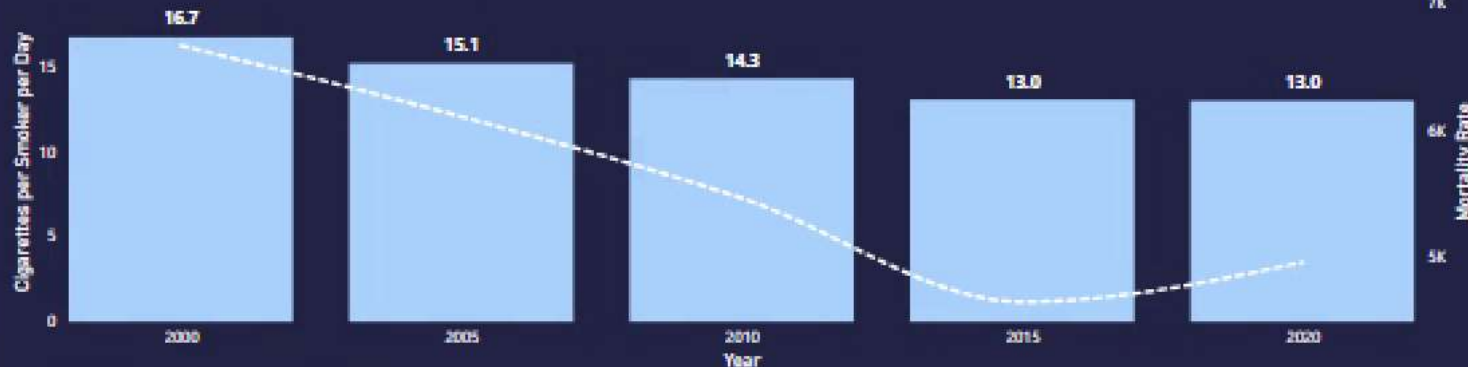
## Average Alcohol Consumption (Litres per Person)



## Avg. Alcohol Consumption (Litres/Person)



## Average Tobacco Consumption (Cigarettes per Smoker per Day)



## Avg. Tobacco Consumption (Cigarettes/Smoker/Day)



## Average Sugar & Fat Consumption (Grams per Person)



## Avg. Fat Consumption (Grams/Person/Day)

129.72

## Avg. Sugar Consumption (Grams per Person)

128.54

## Obese/Overweight Population (%)

52.80

# Access to and Quality of Healthcare for Heart Disease

Year

2000

2005

2010

2015

2020

Country

France

Germany

Hungary

Japan

Mexico

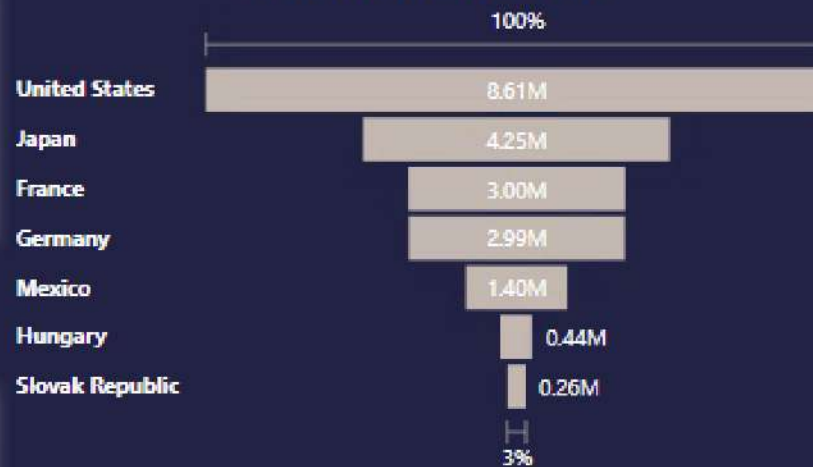
Slovak Republic

United States

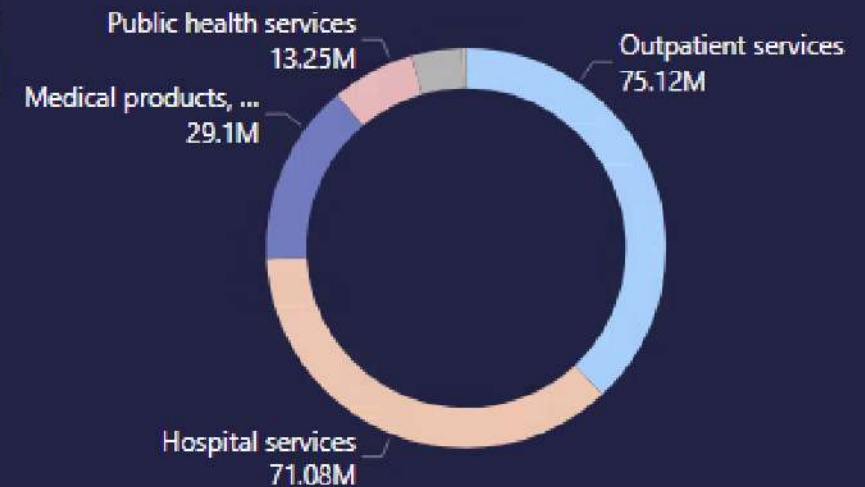
Total Number of Physicians

20.94M

Active Physicians by Country



Government Health Expenditure (in millions)



Available Hospital Beds  
(Per 1000 persons)

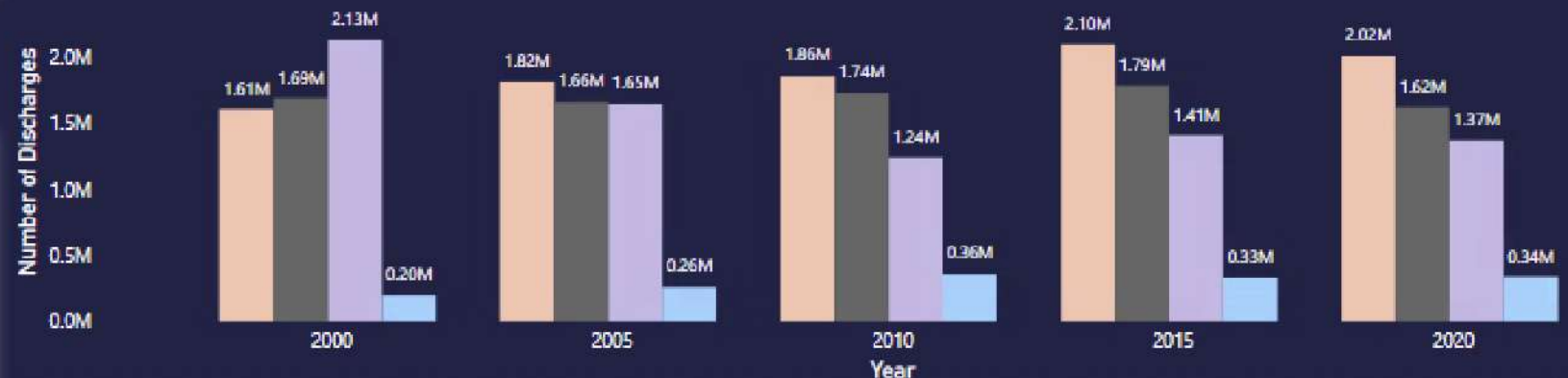
233.26

Avg Length Of Stay

Discharge

Hospital Discharges by Category for Heart Disease

Diagnostic category ● Heart failure ● Other diseases of the circulatory system ● Other ischaemic heart disease ● Pulmonary heart disease and diseases of Pulmonary circulation



Avg. Health Insurance Coverage (%)

84.28

# Access to and Quality of Healthcare for Heart Disease

Year

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2005

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United States

Total Physicians

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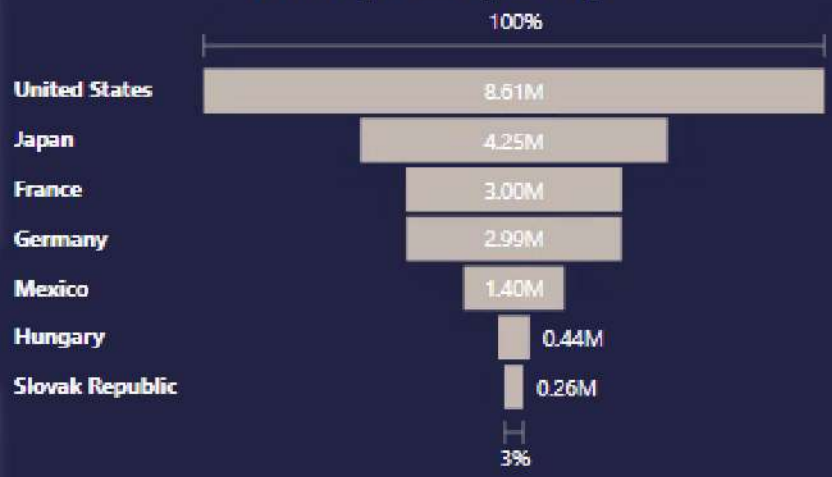
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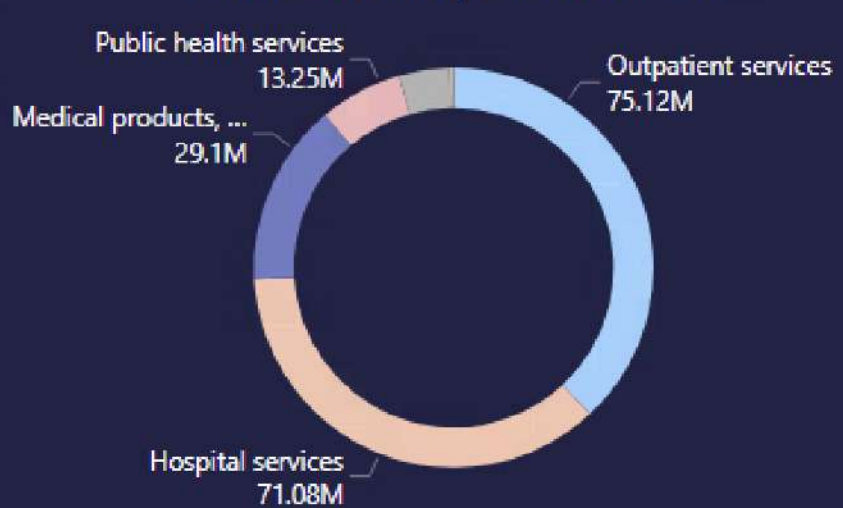
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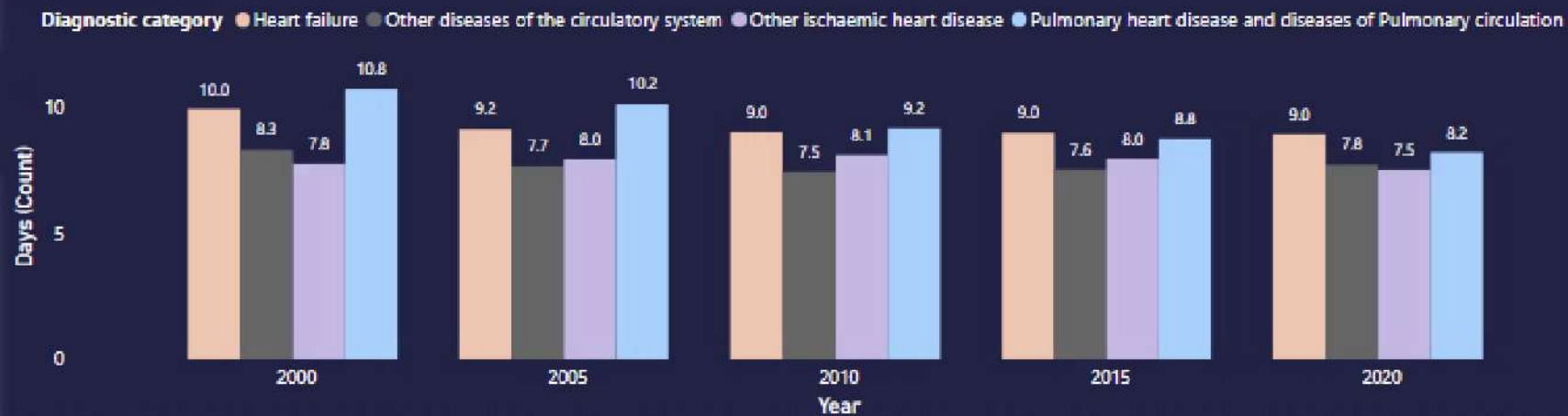
Government Health Expenditure (in millions)

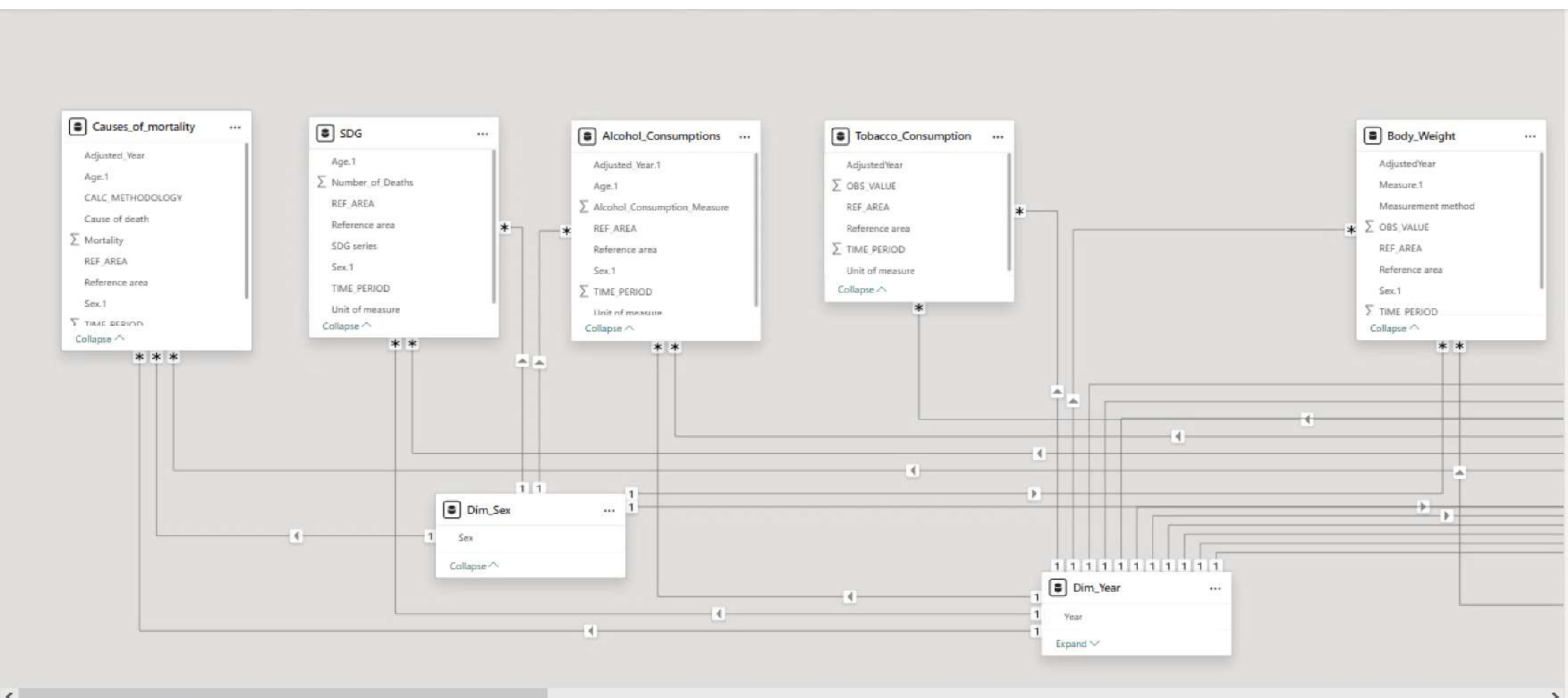
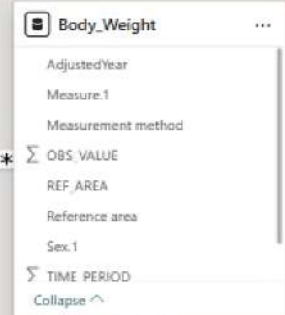
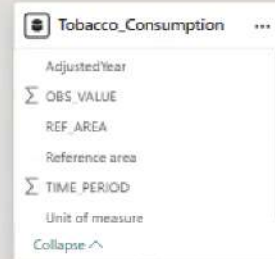
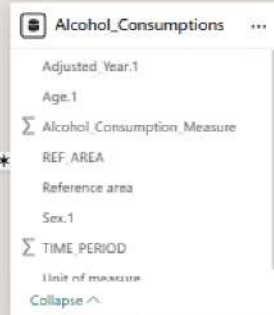


Avg Length Of Stay

Discharge

Average Length of Hospital Stay by Category for Heart Disease







Tobacco\_Consumption ...

AdjustedYear

Σ OBS\_VALUE

REF\_AREA

Reference area

Σ TIME\_PERIOD

Unit of measure

Collapse ^

Body\_Weight ...

AdjustedYear

Measure.1

Measurement method

Σ OBS\_VALUE

REF\_AREA

Reference area

Sex.1

Σ TIME\_PERIOD

Collapse ^

Healthcare\_utilisation ...

AdjustedYear

Diagnostic category

MEASURE

Measure.1

Σ OBS\_VALUE

REF\_AREA

Reference area

Sex.1

TIME\_PERIOD

Collapse ^

Healthcare\_coverage ...

Adjusted Year

Insurance type

Measure.1

Σ OBS\_VALUE

REF\_AREA

Reference area

Σ TIME\_PERIOD

Unit of measure

Collapse ^

Fat\_Consumption ...

Measure.1

Σ OBS\_VALUE

REF\_AREA

Reference area

TIME\_PERIOD

Unit of measure

Collapse ^

Dim\_Year ...

Year

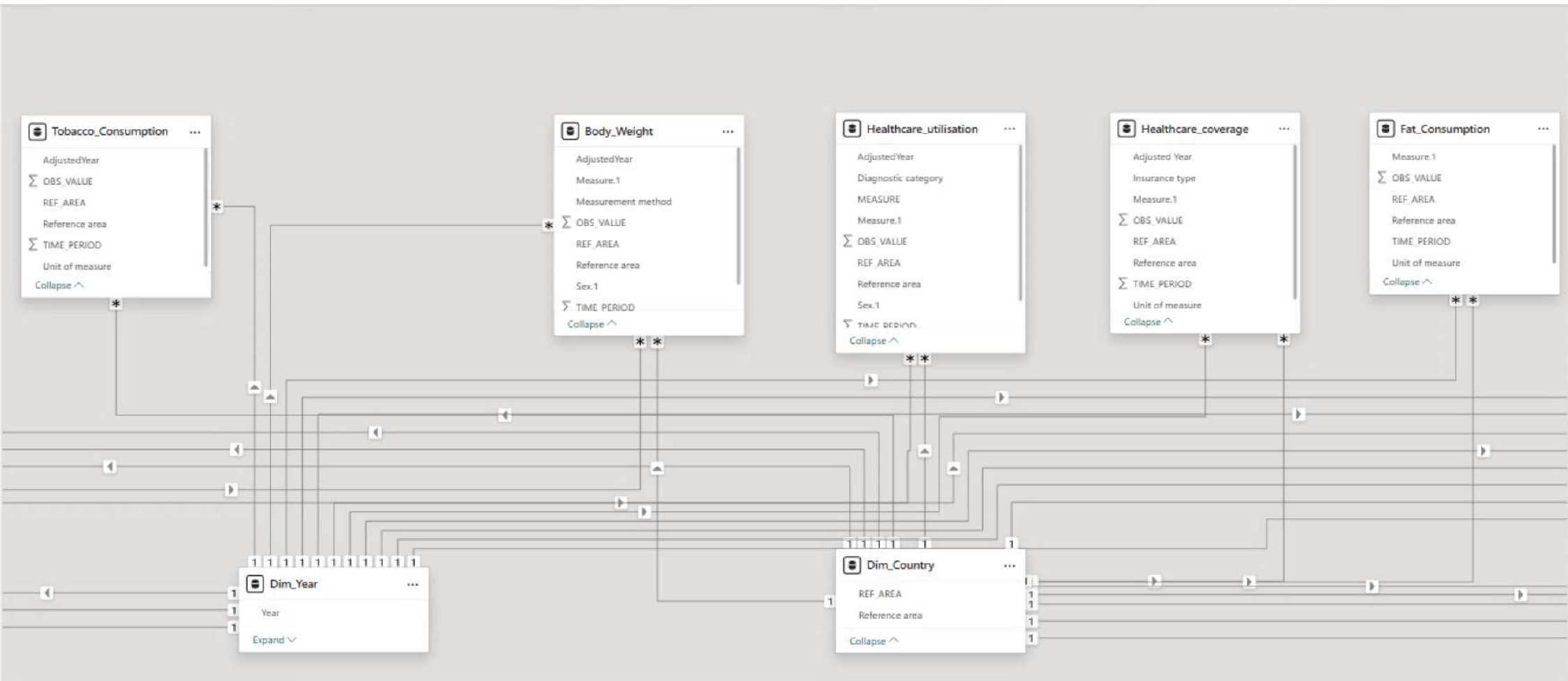
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Dim\_Country ...

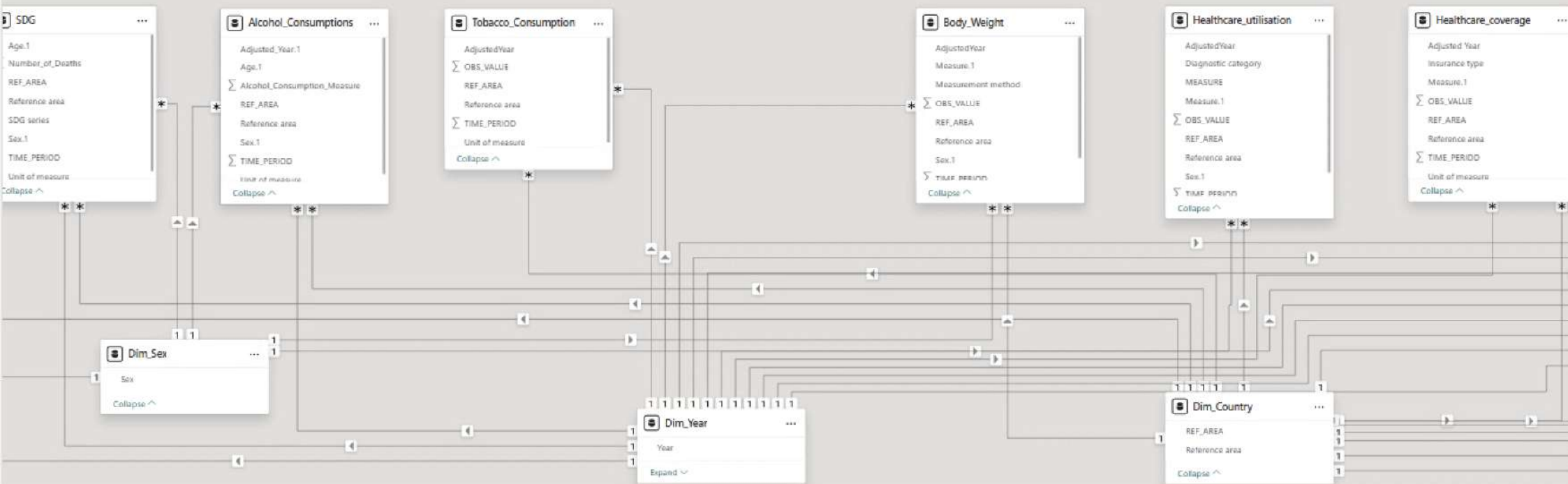
REF\_AREA

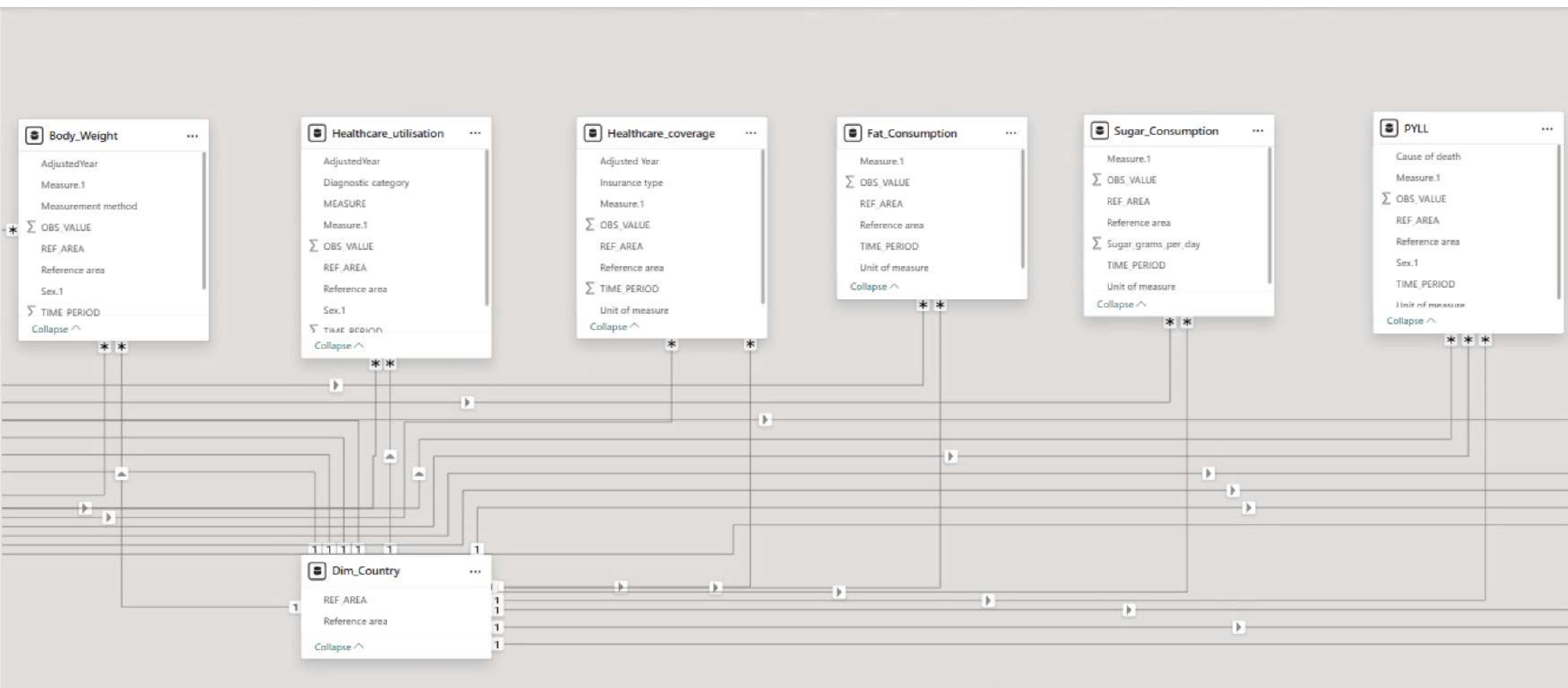
Reference area

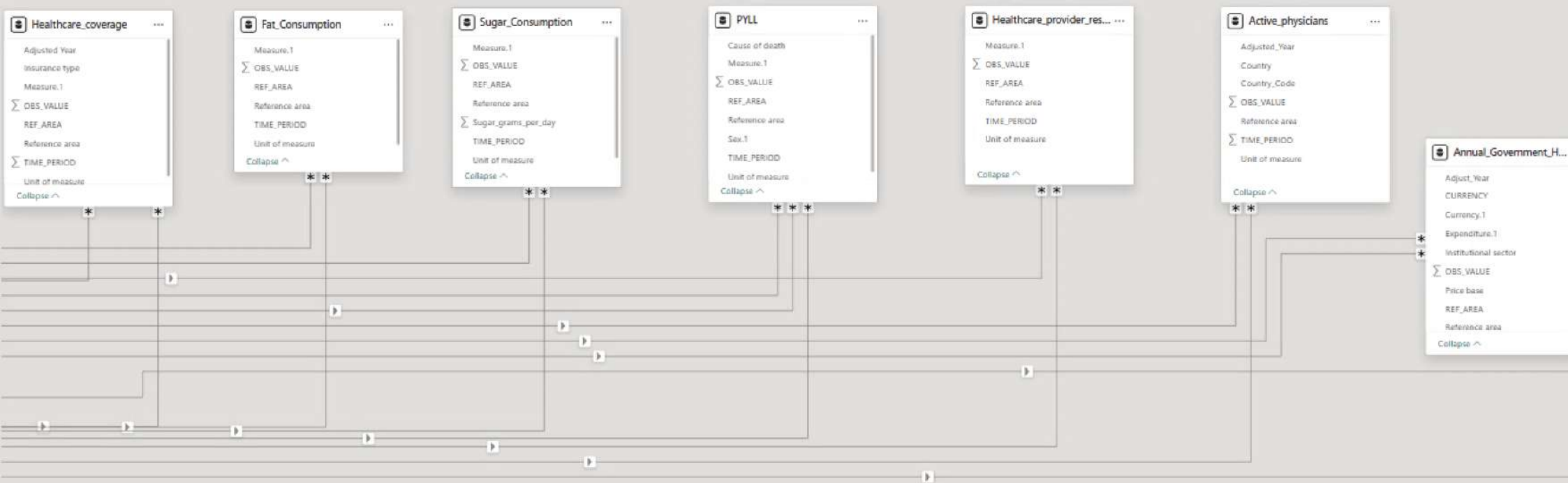
Collapse ^











PYLL

...

Cause of death

Measure.1

$\sum$  OBS\_VALUE

REF\_AREA

Reference area

Sex.1

TIME\_PERIOD

Unit of measure

Collapse ^

Healthcare\_provider\_res...

...

Measure.1

$\sum$  OBS\_VALUE

REF\_AREA

Reference area

TIME\_PERIOD

Unit of measure

Collapse ^

Active\_physicians

...

Adjusted\_Year

Country

Country\_Code

$\sum$  OBS\_VALUE

Reference area

$\sum$  TIME\_PERIOD

Unit of measure

Collapse ^

Annual\_Government\_H...

...

Adjusted\_Year

CURRENCY

Currency.1

Expenditure.1

Institutional sector

$\sum$  OBS\_VALUE

Price base

REF\_AREA

Reference area

Collapse ^

DAX\_Measures

...

$\sum$  Value

AlcoholConsumptionNote

Avg Mortality Rate

AVG PYLL

GovtHealthExpNote

Collapse ^

Fat\_Sugar\_Consumption

...

Measure.1

REF\_AREA

Reference area

$\sum$  Sugar\_grams\_per\_day

TIME\_PERIOD

Collapse ^

Sugar\_Consumptions\_R...

...

Measure.1

REF\_AREA

Reference area

$\sum$  Sugar\_grams\_per\_day

$\sum$  TIME\_PERIOD

Collapse ^

