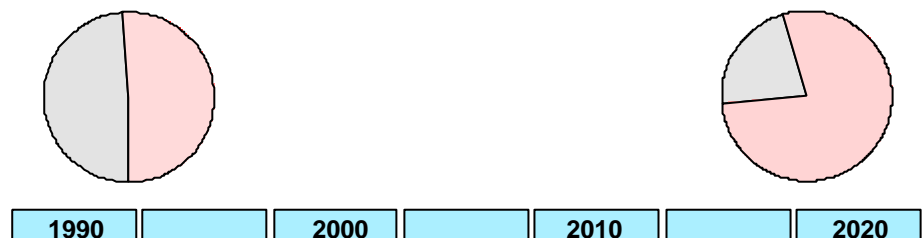


Noncommunicable Diseases and Mental Health



Noncommunicable Conditions and Injuries in Developing Countries



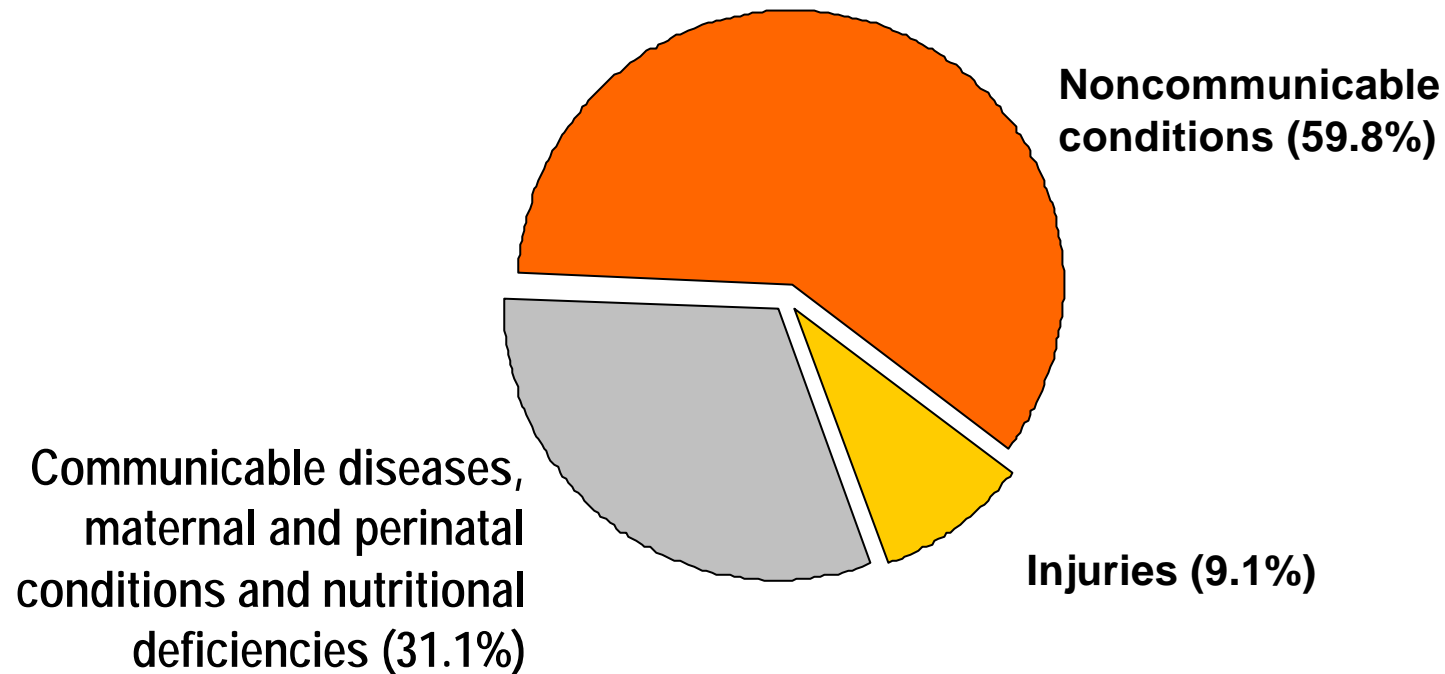
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Email: yachd@who.int

May 2001

Death, by broad cause group, 1999

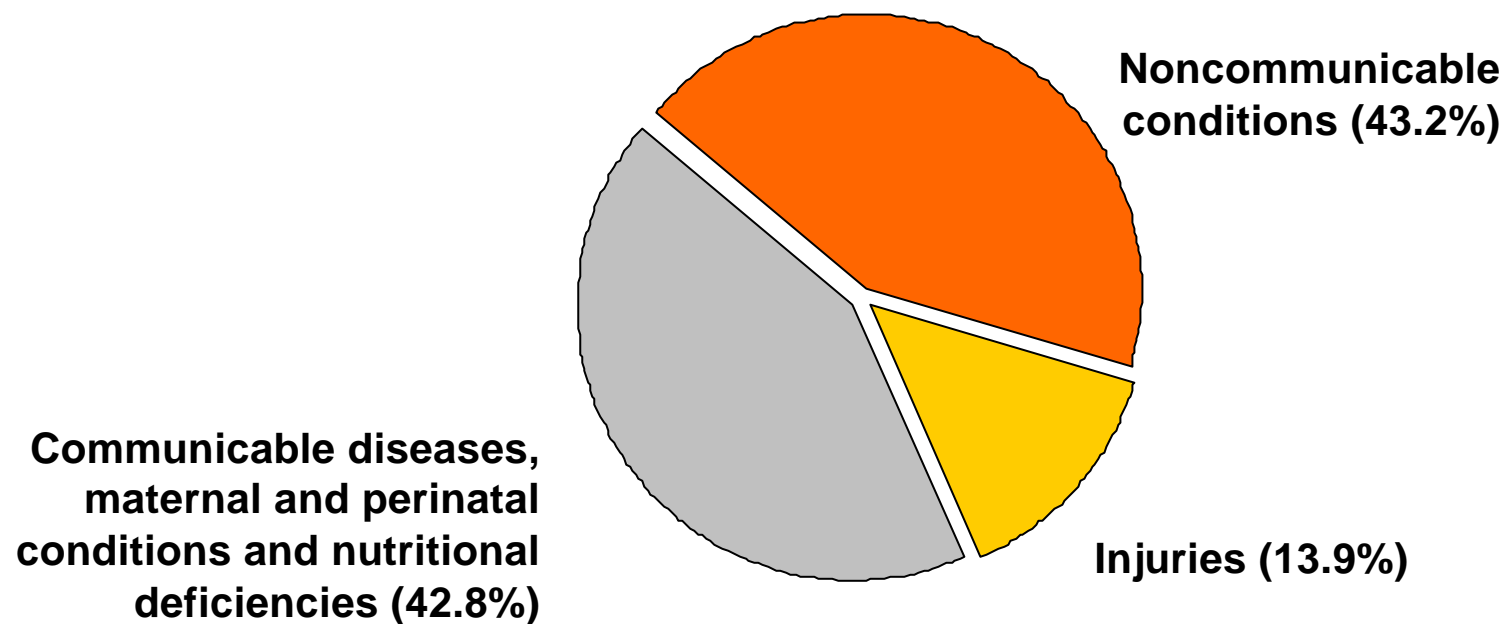


Source: World Health Report 2000

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Global burden of disease in disability-adjusted life years (DALYs), 1999

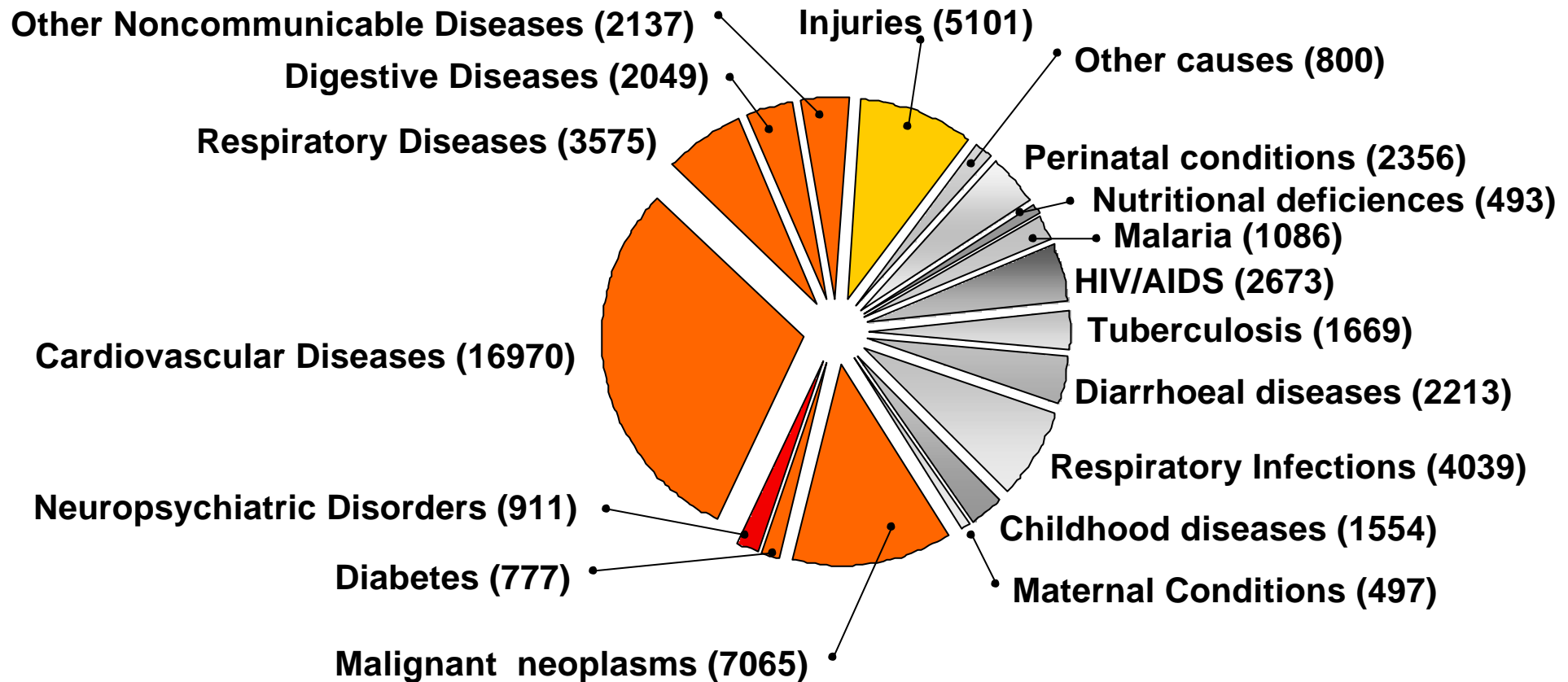


Source: World Health Report 2000

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Global distribution of causes of death, 1999 (000s)

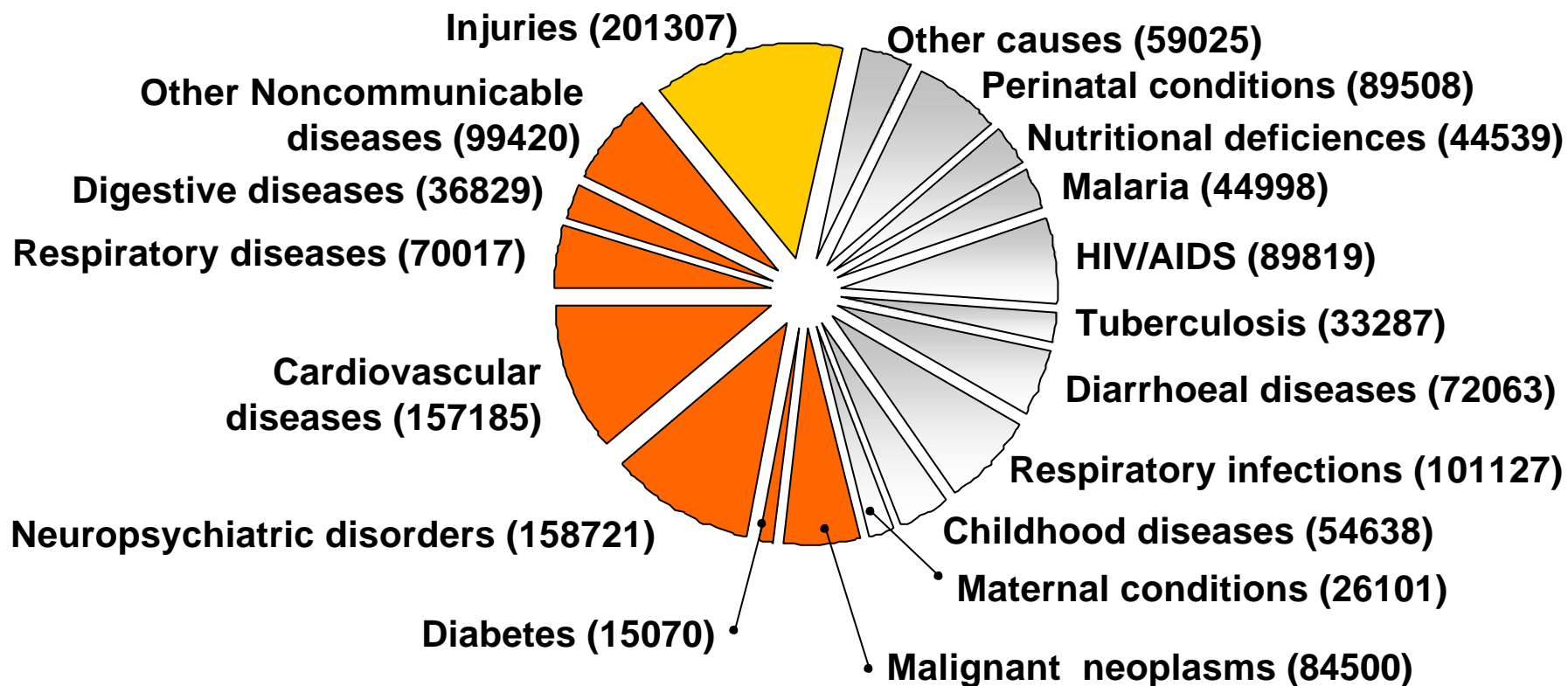


Source: World Health Report 2000

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Global burden of disease in disability-adjusted life years (DALYs), 1999 (000s)

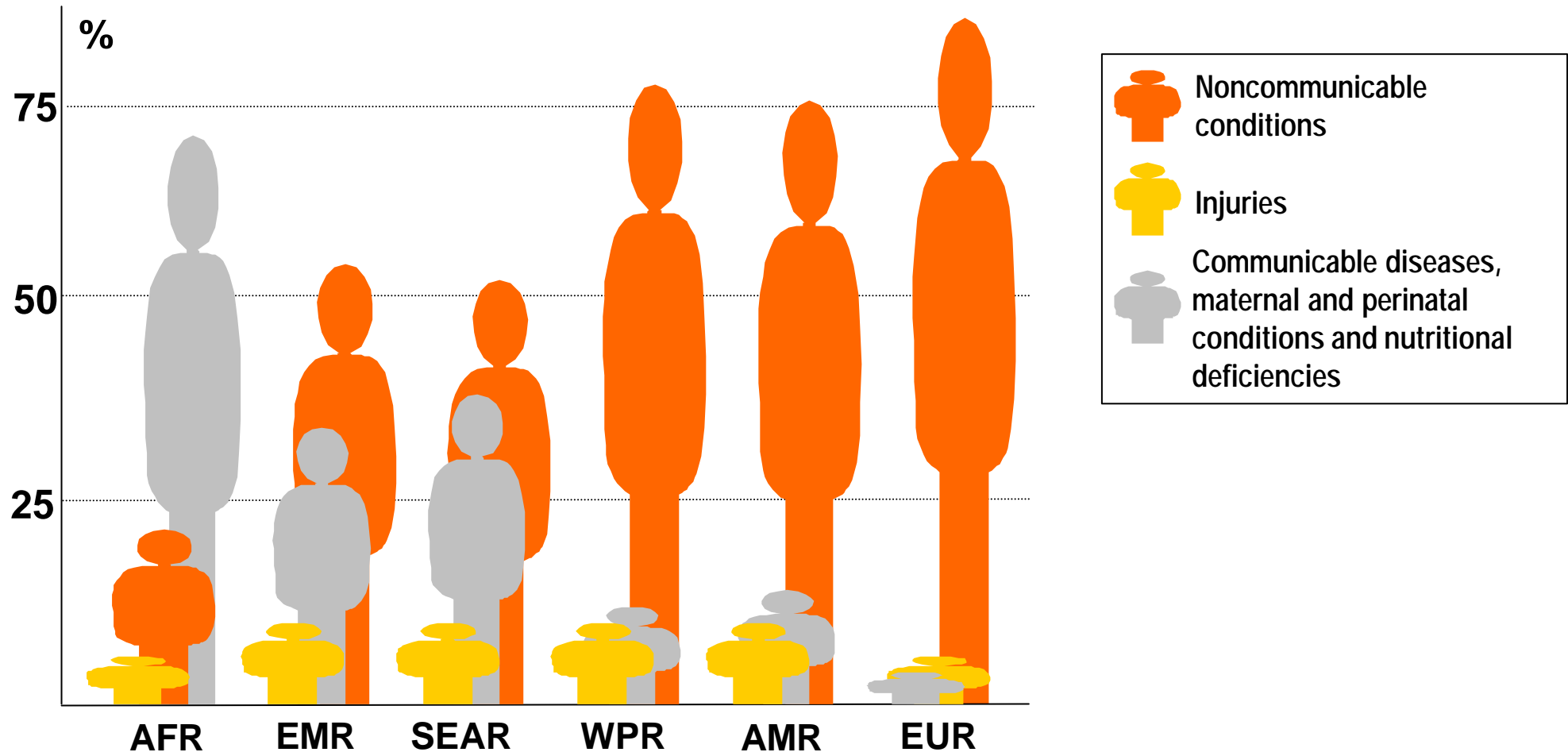


Source: World Health Report 2000

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Deaths, by broad cause group and WHO Region, 1999



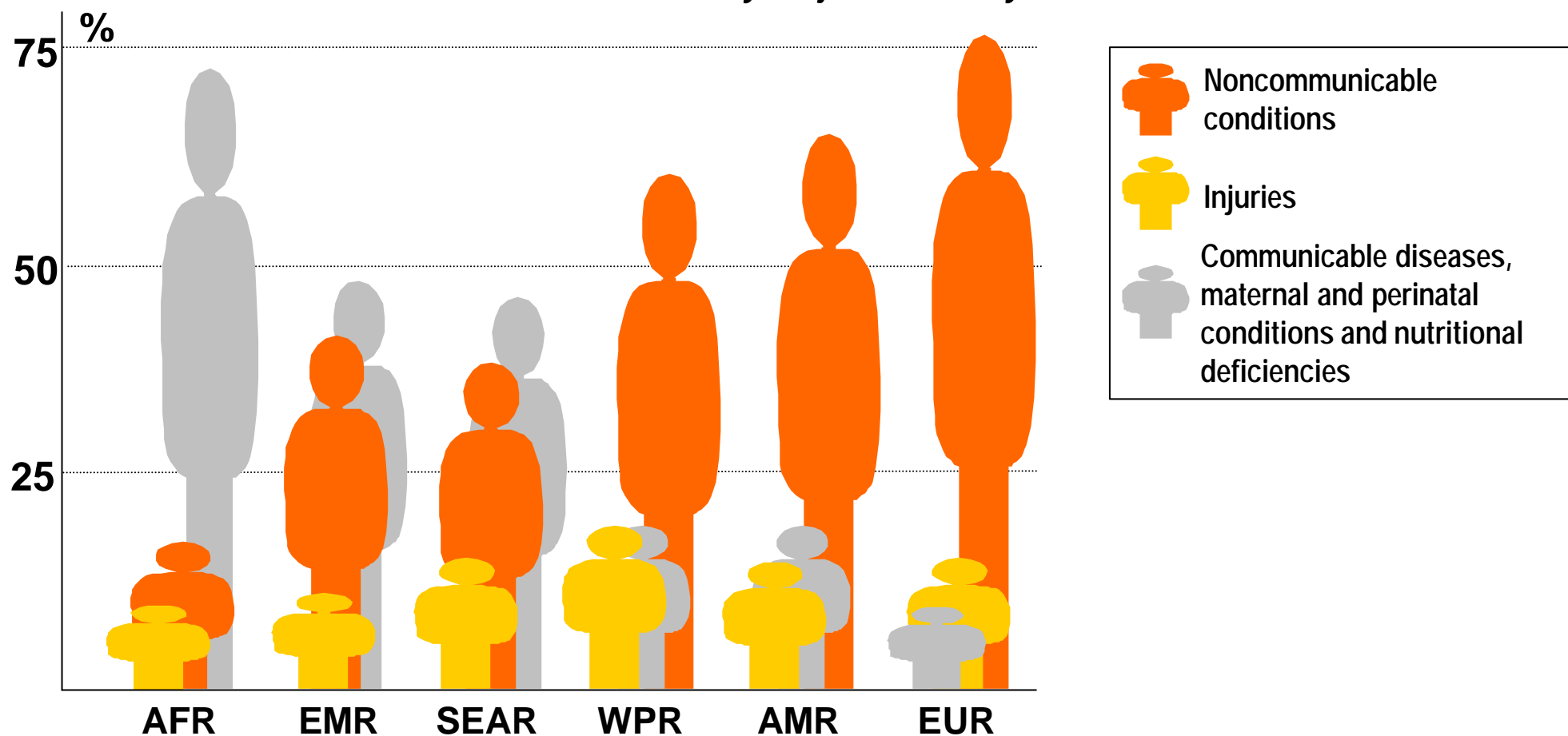
Source: World Health Report 2000

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DALYS, by broad cause group and WHO Region, 1999

DALY = Disability adjusted life-year

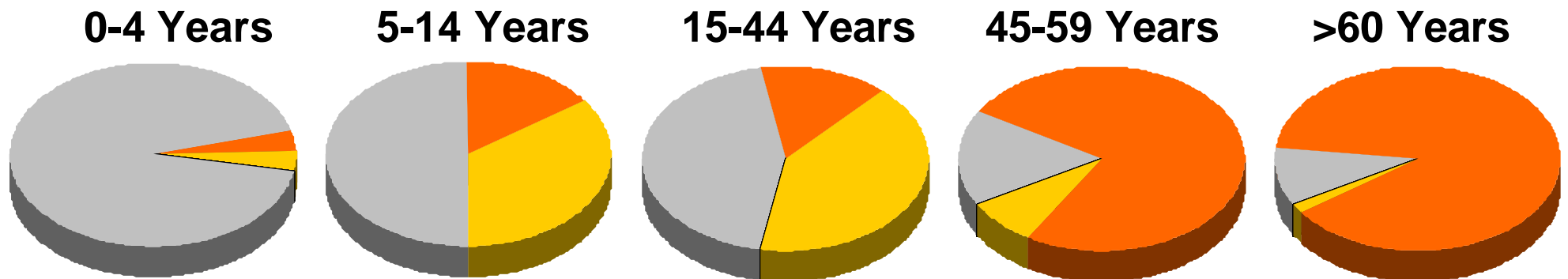
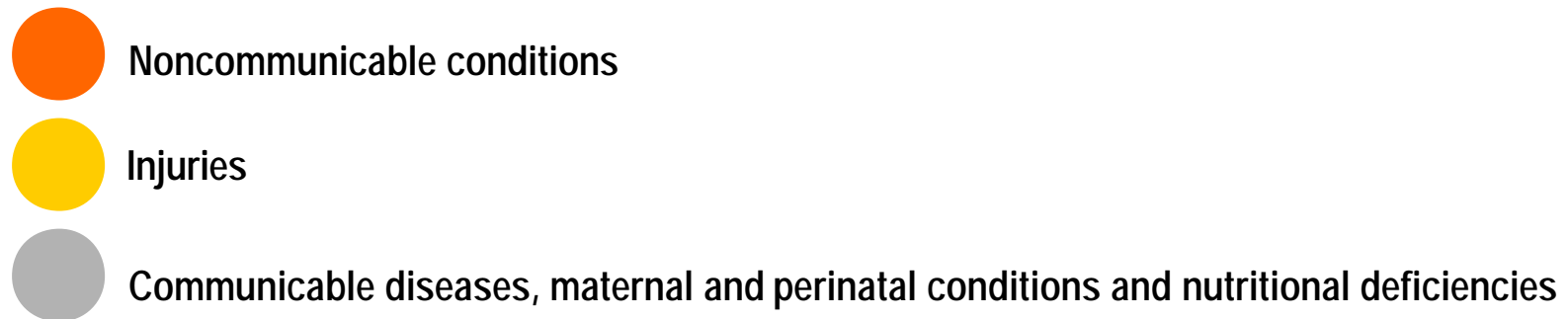


Source: World Health Report 2000

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*) Leading causes of death, both sexes, 1998 Low- and Middle-Income Countries by age



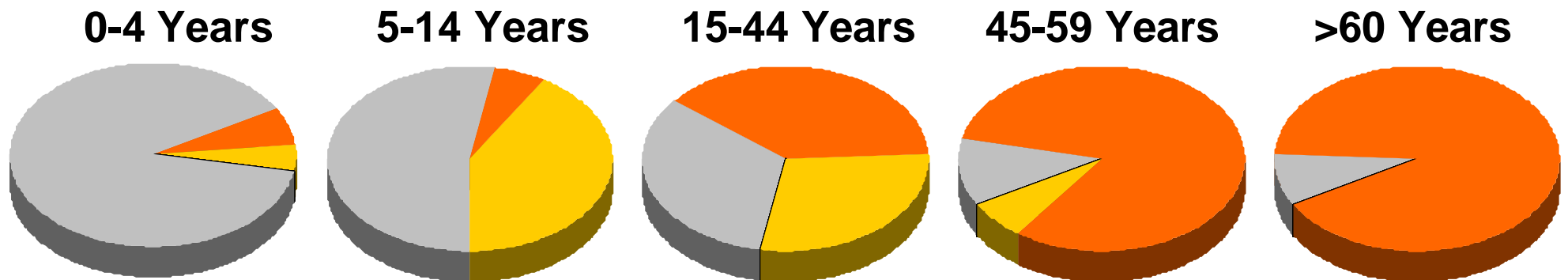
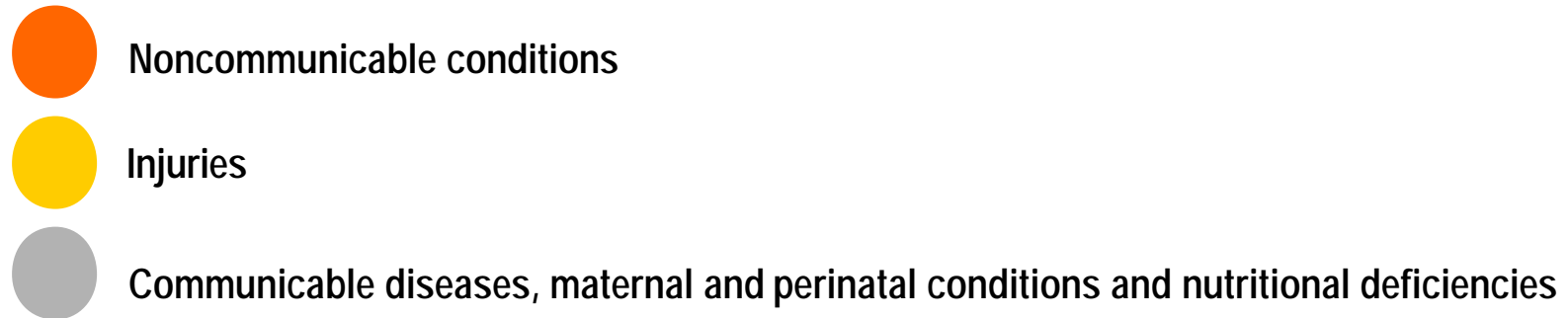
*) 15 leading causes

Source: World Health Report 1999 Database

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*) Leading causes of burden of disease, both sexes, 1998 Low- and Middle-Income Countries by age



*) 15 leading causes

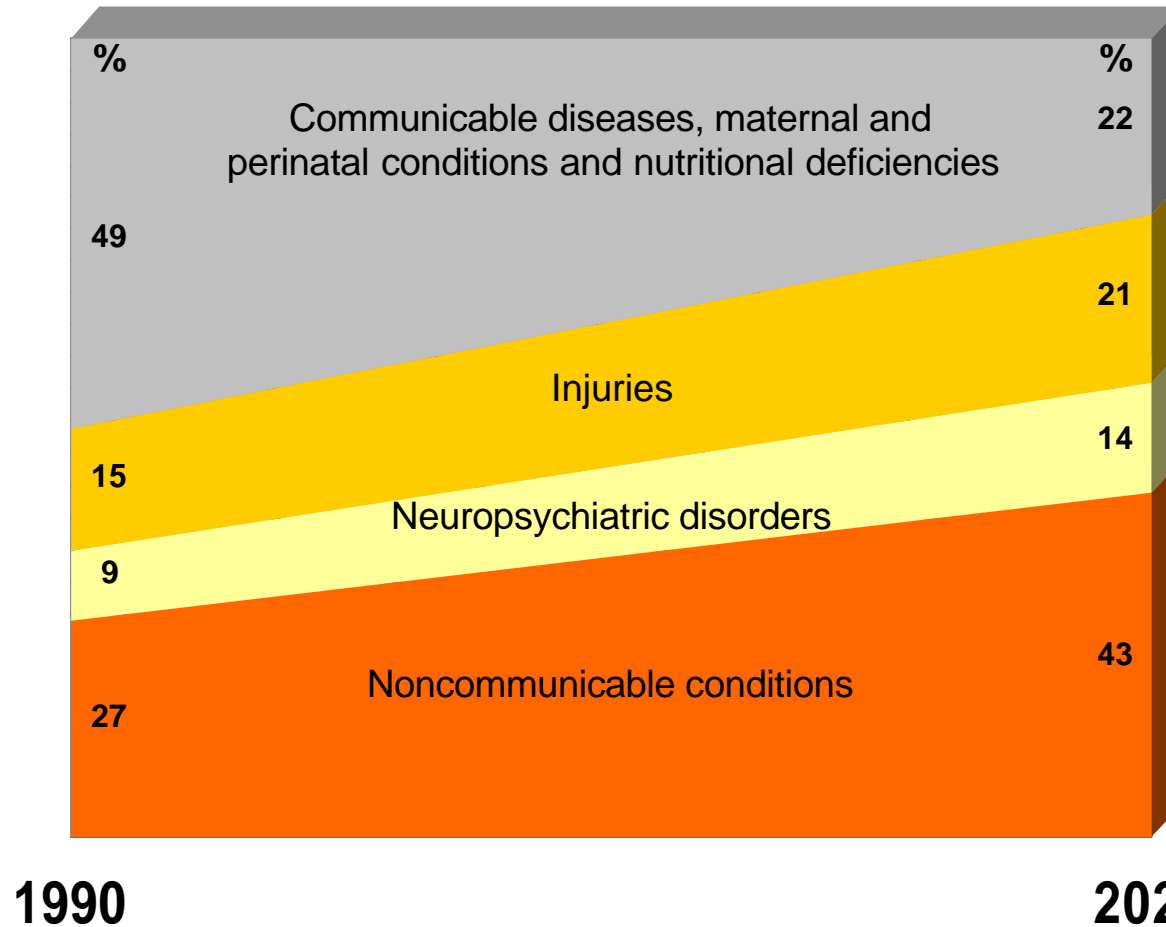
Source: World Health Report 1999 Database

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DALYs, by broad cause group 1990 - 2020 in developing countries (baseline scenario)

DALY = Disability-Adjusted Life Year



Source: WHO, Evidence, Information and Policy, 2000

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Increasing burden of noncommunicable diseases and injuries

change in rank order of DALYs for the 15 leading causes

(baseline scenario)

1999 Disease or Injury

1. Acute lower respiratory infections
2. HIV/AIDS
3. Perinatal conditions
4. Diarrhoeal diseases
5. **Unipolar major depression**
6. **Ischaemic heart disease**
7. **Cerebrovascular disease**
8. Malaria
9. **Road traffic injuries**
10. **Chronic obstructive pulmonary disease**
11. **Congenital abnormalities**
12. Tuberculosis
13. **Falls**
14. Measles
15. Anaemias

2020 Disease or Injury

1. **Ischaemic heart disease**
2. **Unipolar major depression**
3. **Road traffic injuries**
4. **Cerebrovascular disease**
5. **Chronic obstructive pulmonary disease**
6. Lower respiratory infections
7. Tuberculosis
8. **War**
9. Diarrhoeal diseases
10. HIV
11. Perinatal conditions
12. **Violence**
13. **Congenital abnormalities**
14. **Self-inflicted injuries**
15. **Trachea, bronchus and lung cancers**

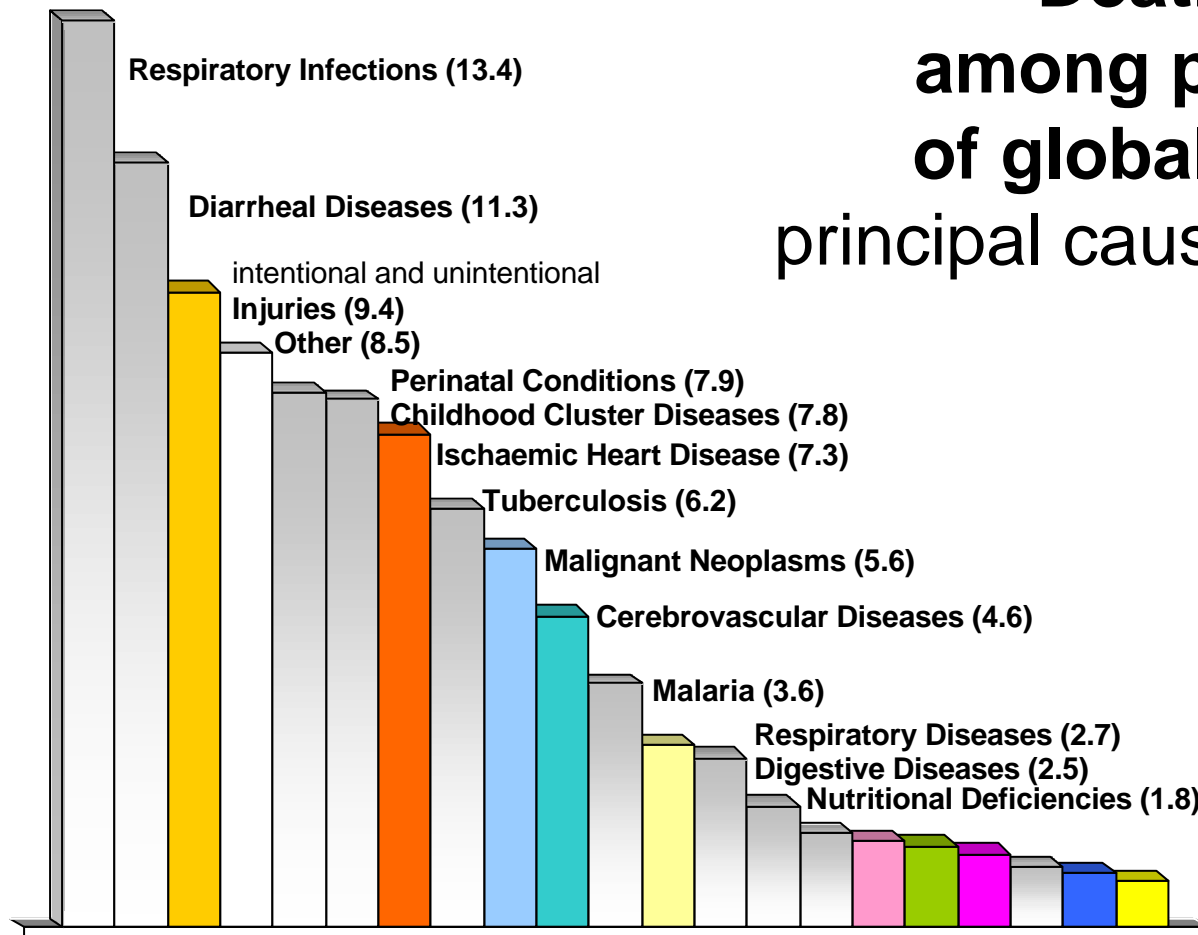
DALY = Disability-adjusted life year

Source: WHO, Evidence, Information and Policy, 2000

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Deaths, 1990 among poorest 20% of global population principal causes (% of deaths)

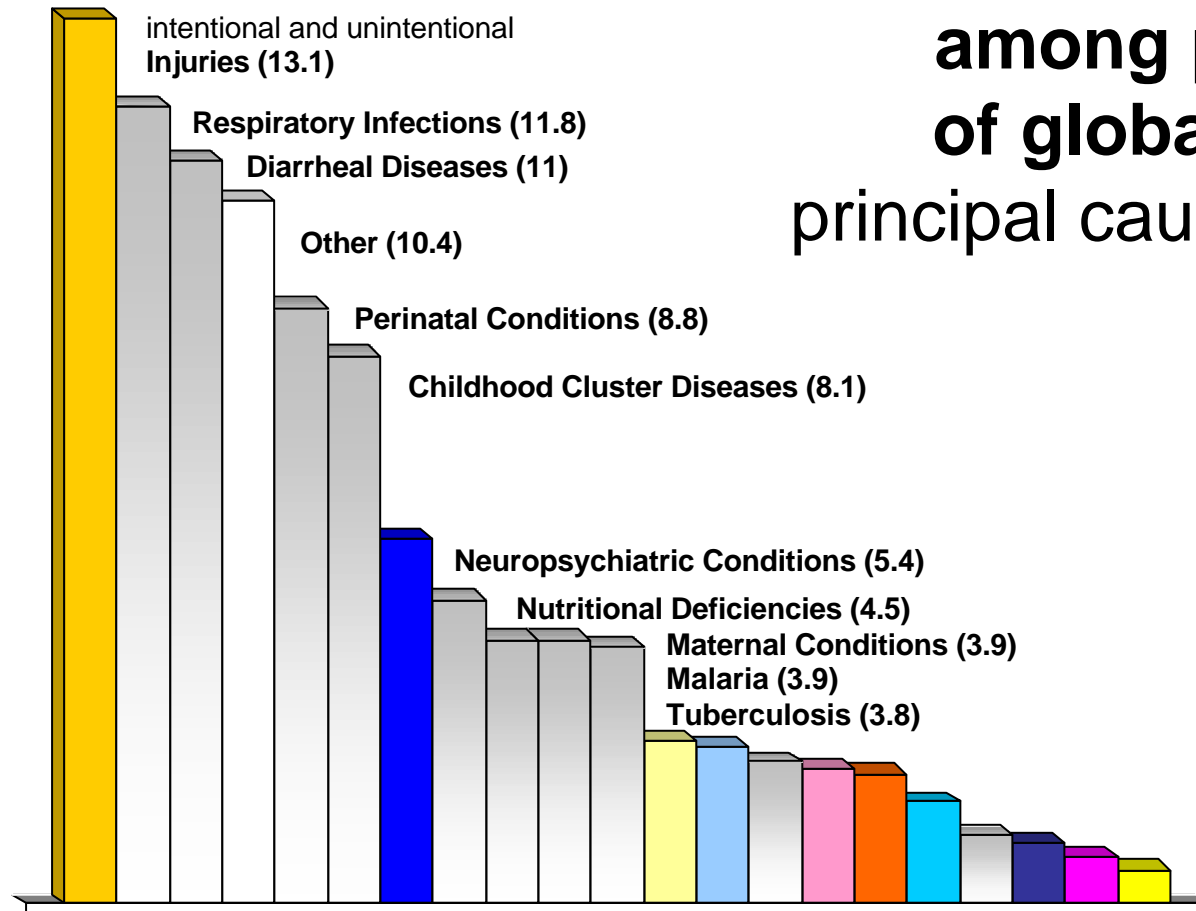


- Maternal Conditions (1.4)
- Congenital Abnormalities (1.3)
- Inflammatory and Rheumatic Heart Diseases (1.2)
- Genito-Urinary Conditions (1.1)
- HIV/AIDS (0.9)
- Neuropsychiatric Conditions (0.8)
- Diabetis Mellitus (0.7)

Source: *The Burden of Disease among the Global Poor*, World Bank 2000



DALYs, 1990 among poorest 20% of global population principal causes (% of DALYs)

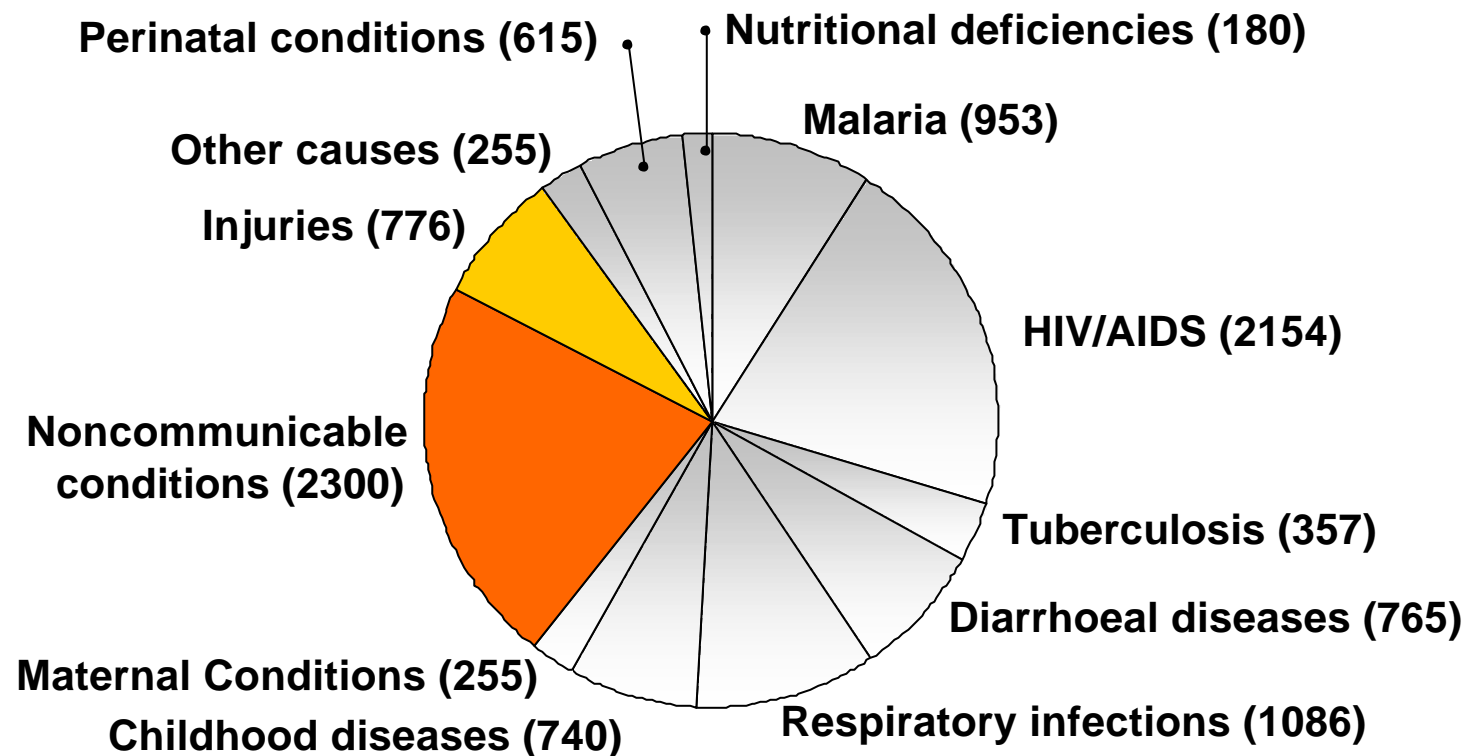


- Respiratory Diseases (2.4)
- Malignant Neoplasms (2.3)
- Digestive Diseases (2.1)
- Congenital Abnormalities (2)
- Ischaemic Heart Disease (1.9)
- Cerebrovascular Disease (1.5)
- HIV/AIDS (1)
- Inflammatory and Rheumatic Heart Diseases (0.9)
- Genito-Urinary Diseases (0.7)
- Diabetes (0.5)

Source: *The Burden of Disease among the Global Poor*, World Bank 2000



Distribution of causes of death in Africa, 1999 (000s)

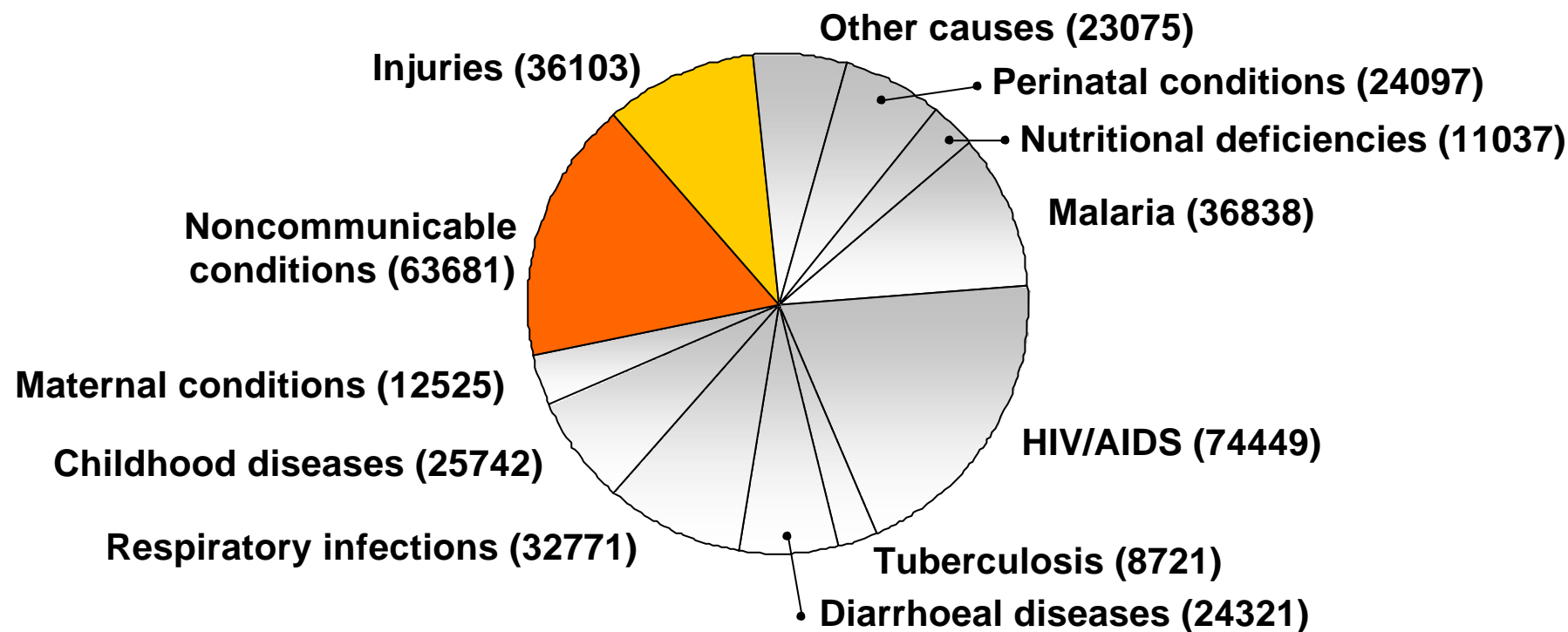


Source: World Health Report 2000

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Burden of disease in disability-adjusted life years (DALYs) in Africa, 1999 (000s)

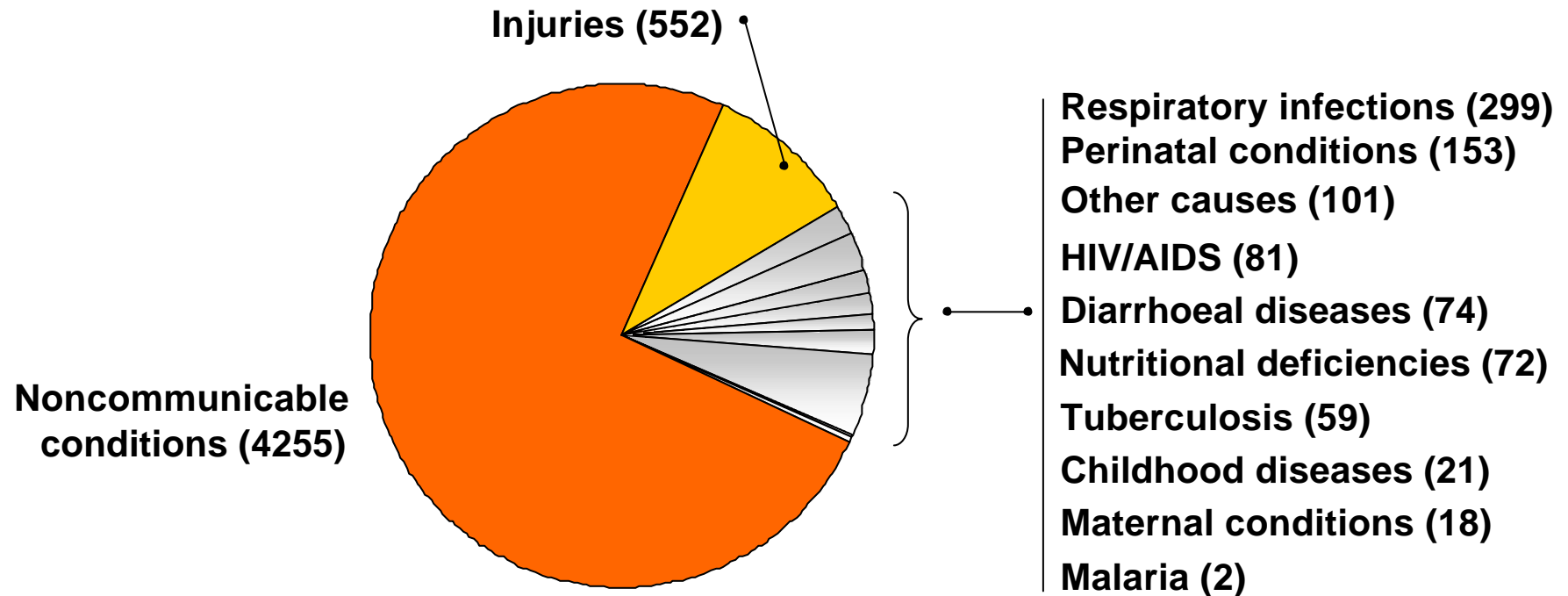


Source: World Health Report 2000

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Distribution of causes of death in Americas, 1999 (000s)

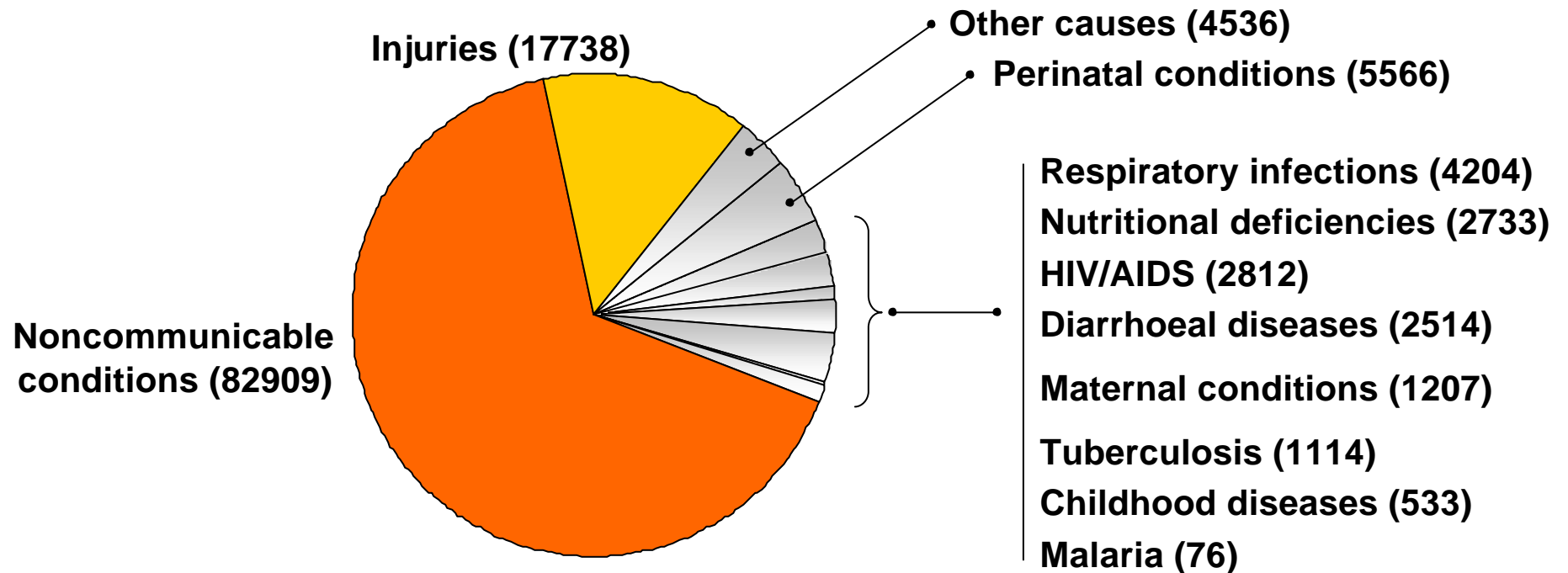


Source: World Health Report 2000

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Burden of disease in disability-adjusted life years (DALYs) in Americas, 1999 (000s)

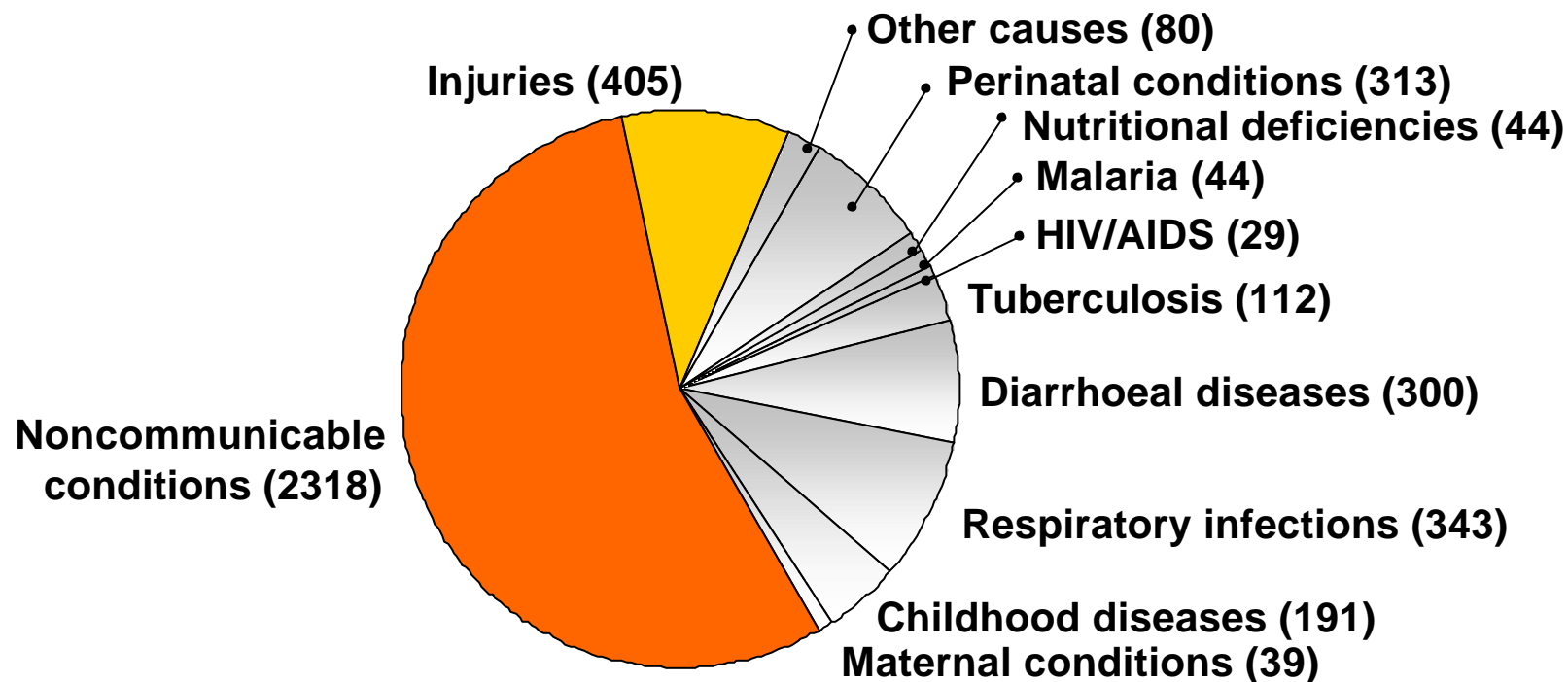


Source: World Health Report 2000

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Distribution of causes of death in the Eastern Mediterranean, 1999 (000s)

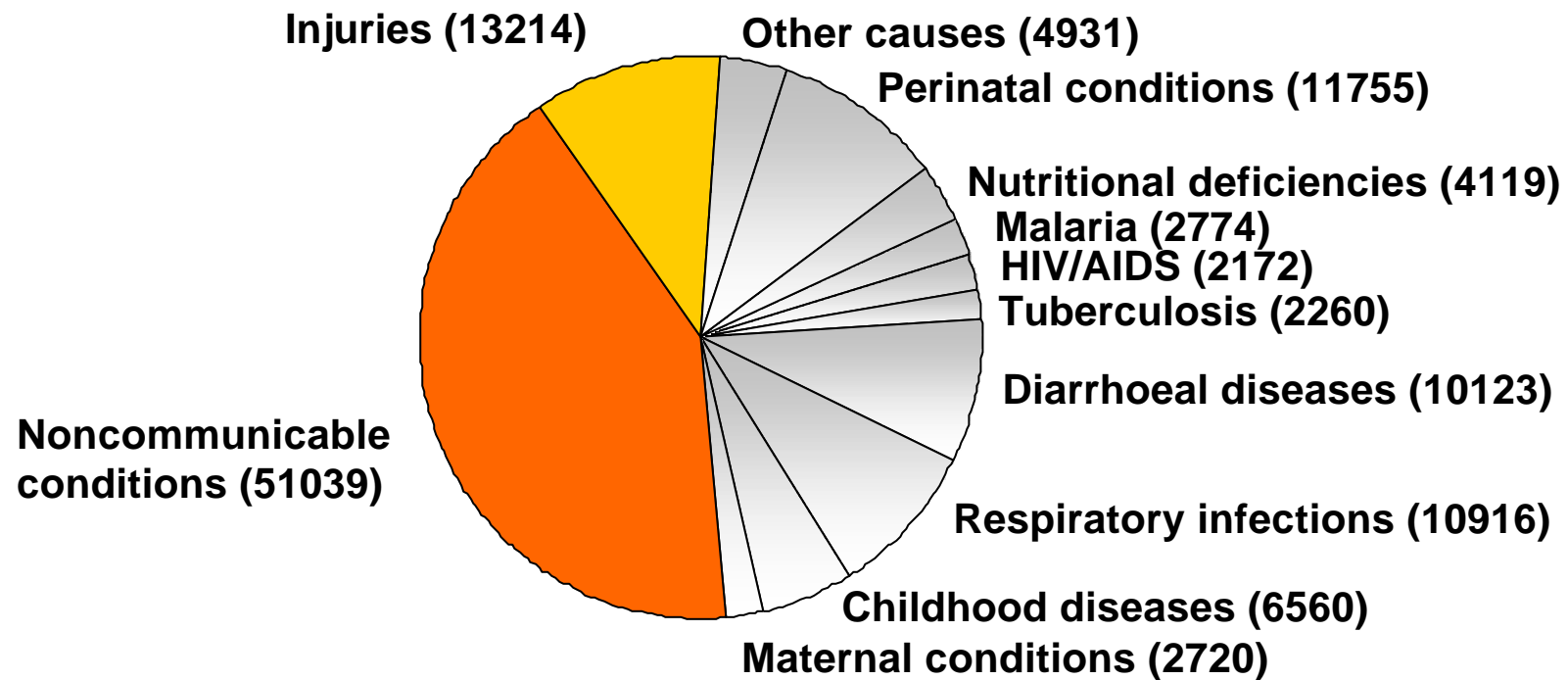


Source: World Health Report 2000

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Burden of disease in disability-adjusted life years (DALYs) in Eastern Mediterranean, 1999 (000s)

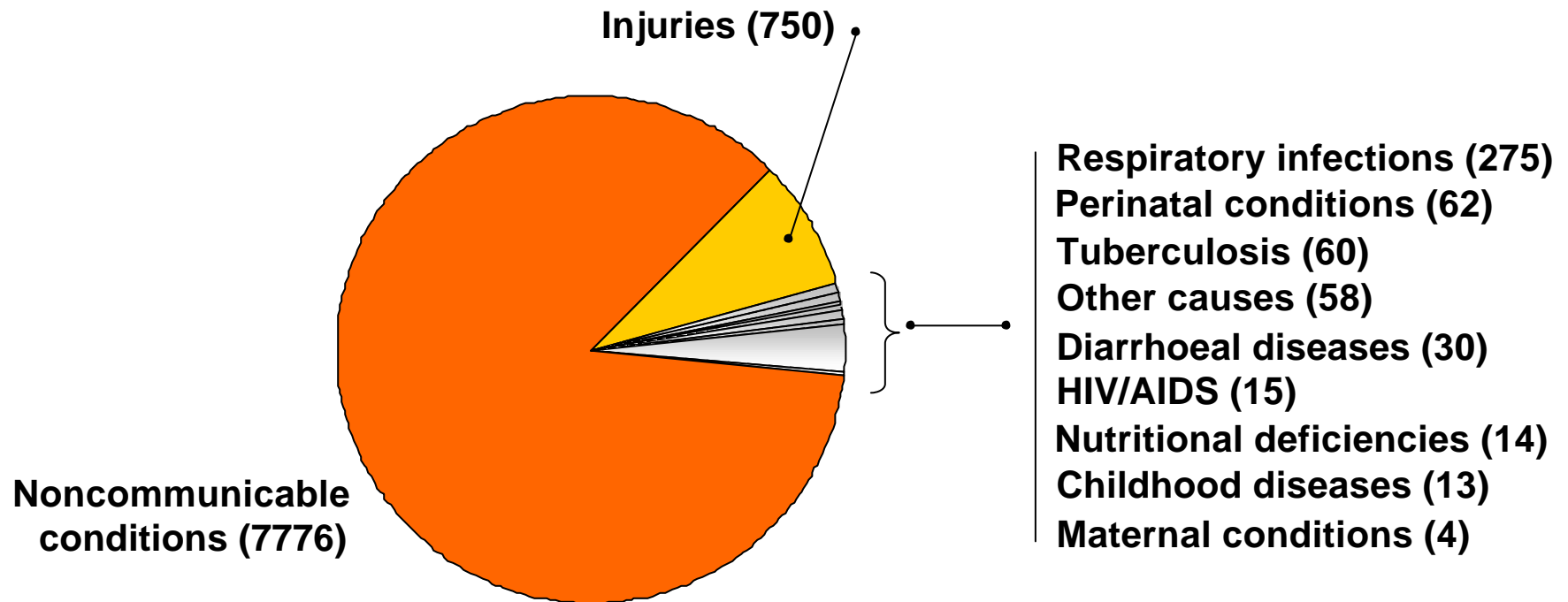


Source: World Health Report 2000

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Distribution of causes of death in Europe, 1999 (000s)

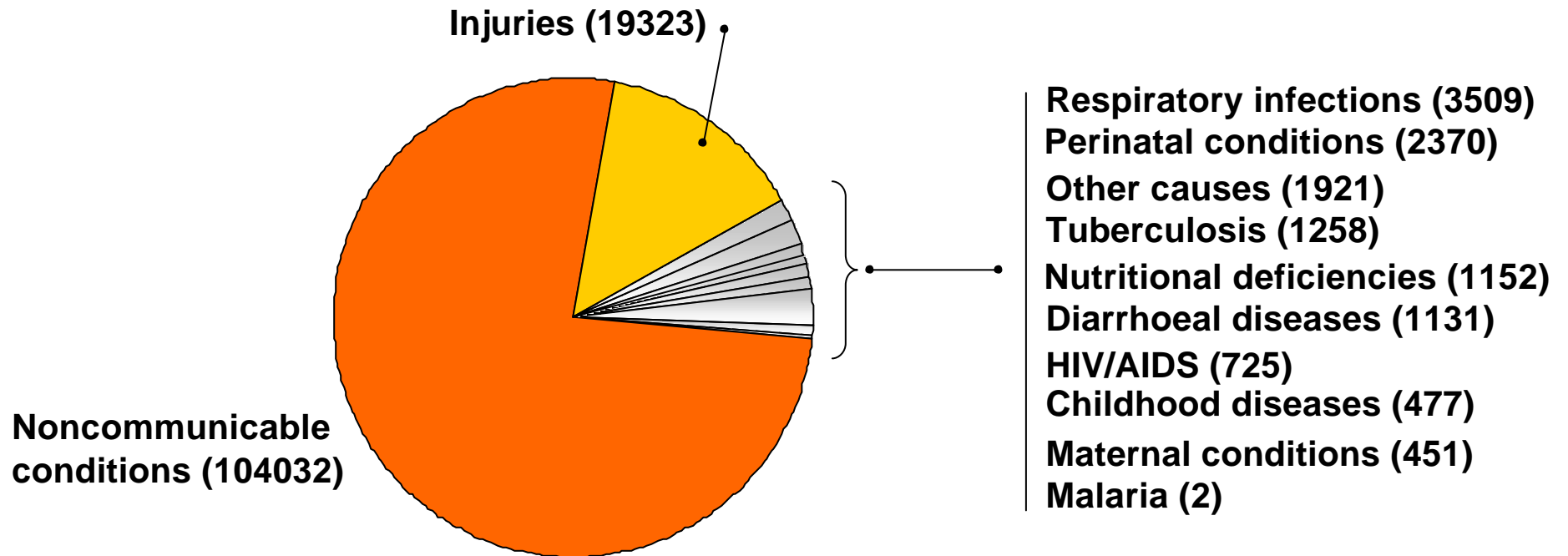


Source: World Health Report 2000

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Burden of disease in disability-adjusted life years (DALYs) in Europe, 1999 (000s)

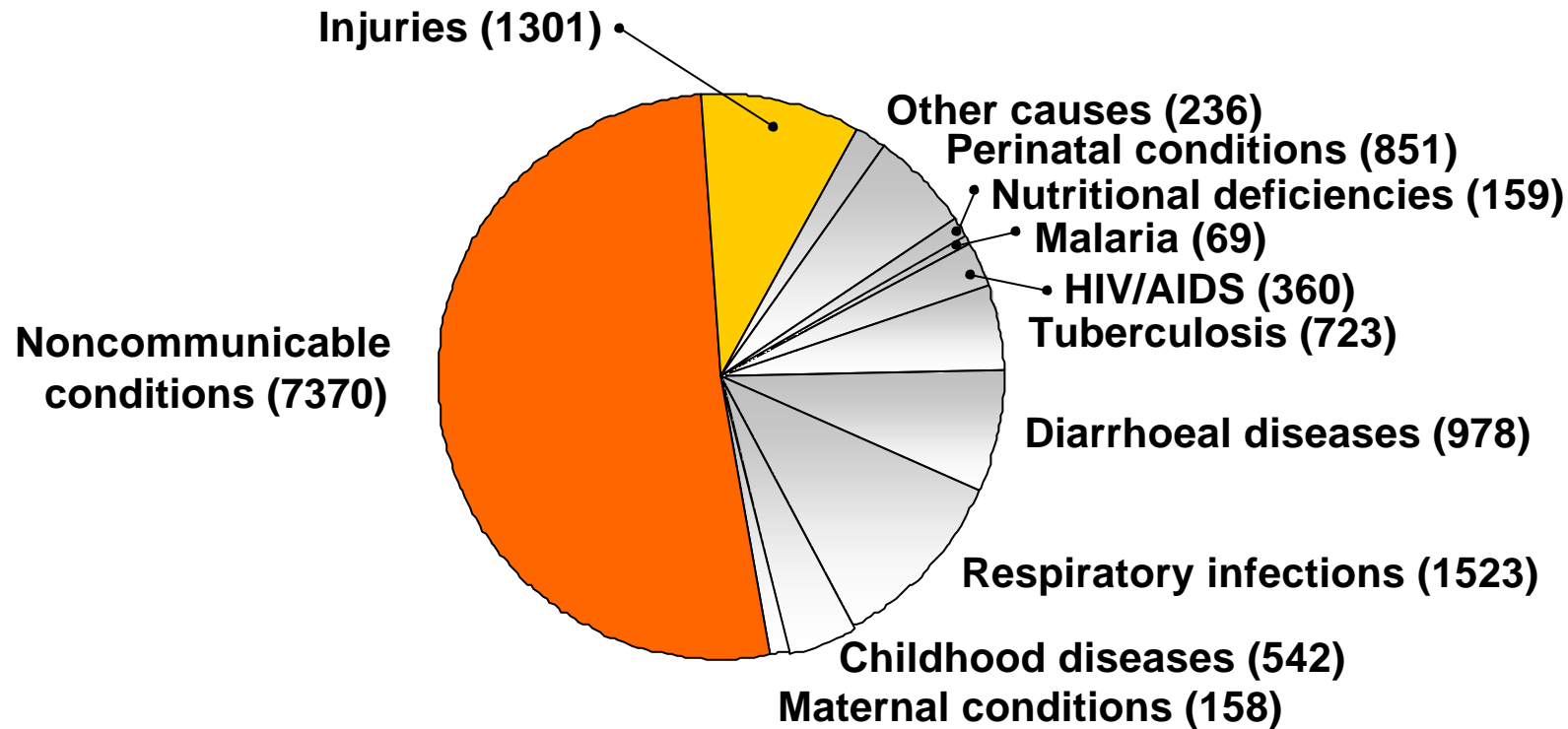


Source: World Health Report 2000

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Distribution of causes of death in South-East Asia, 1999 (000s)

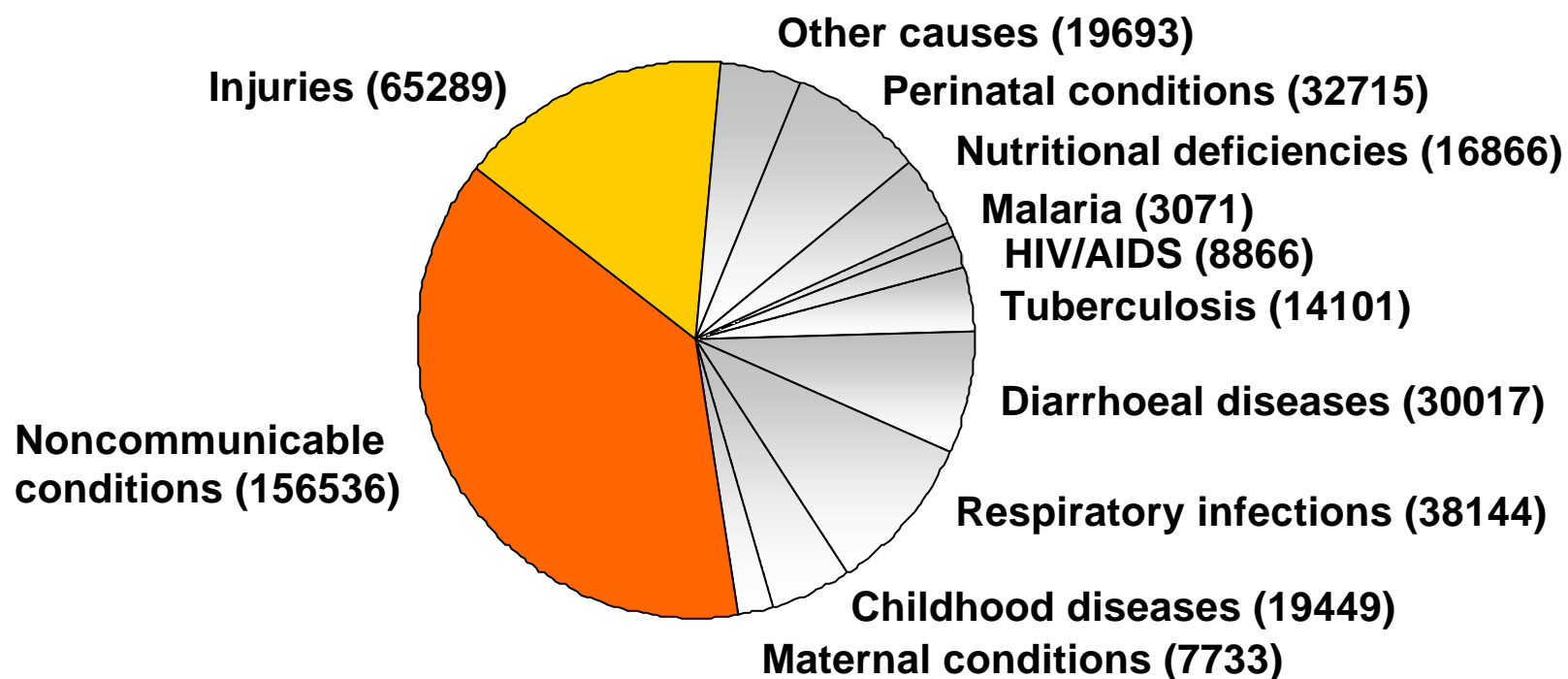


Source: World Health Report 2000

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Burden of disease in disability-adjusted life years (DALYs) in South-East Asia, 1999 (000s)

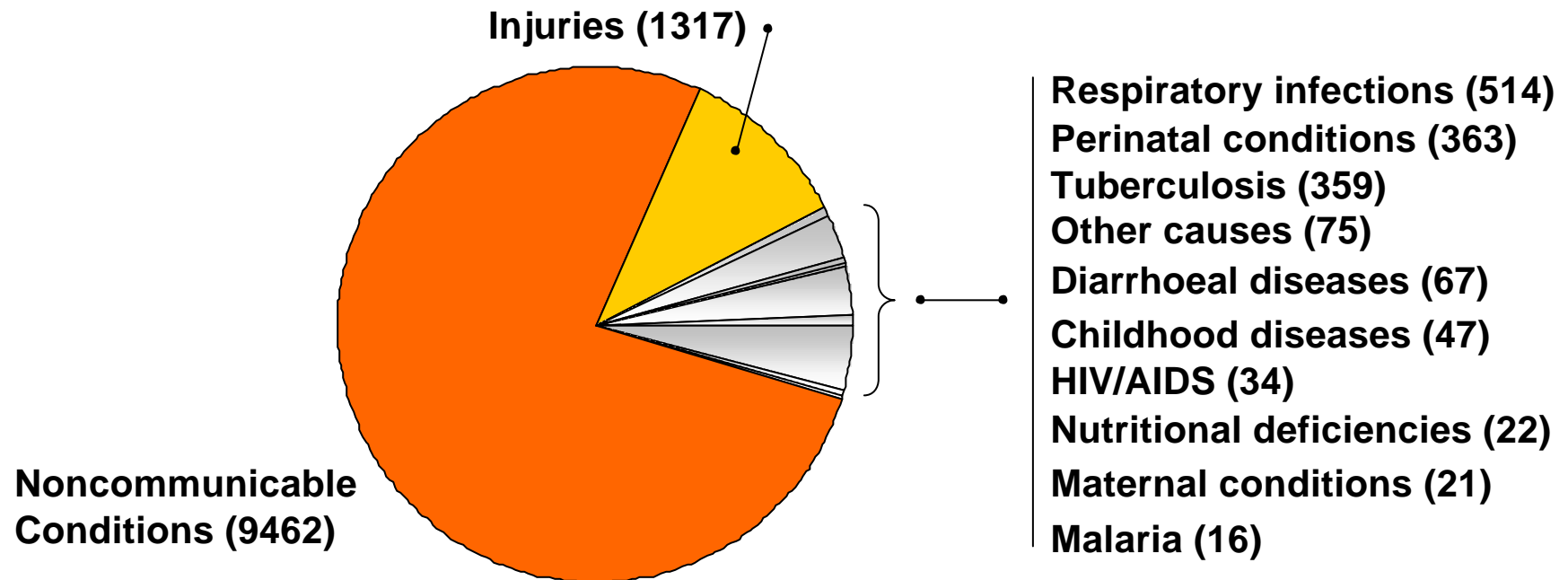


Source: World Health Report 2000

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Distribution of causes of death in Western Pacific, 1999 (000s)

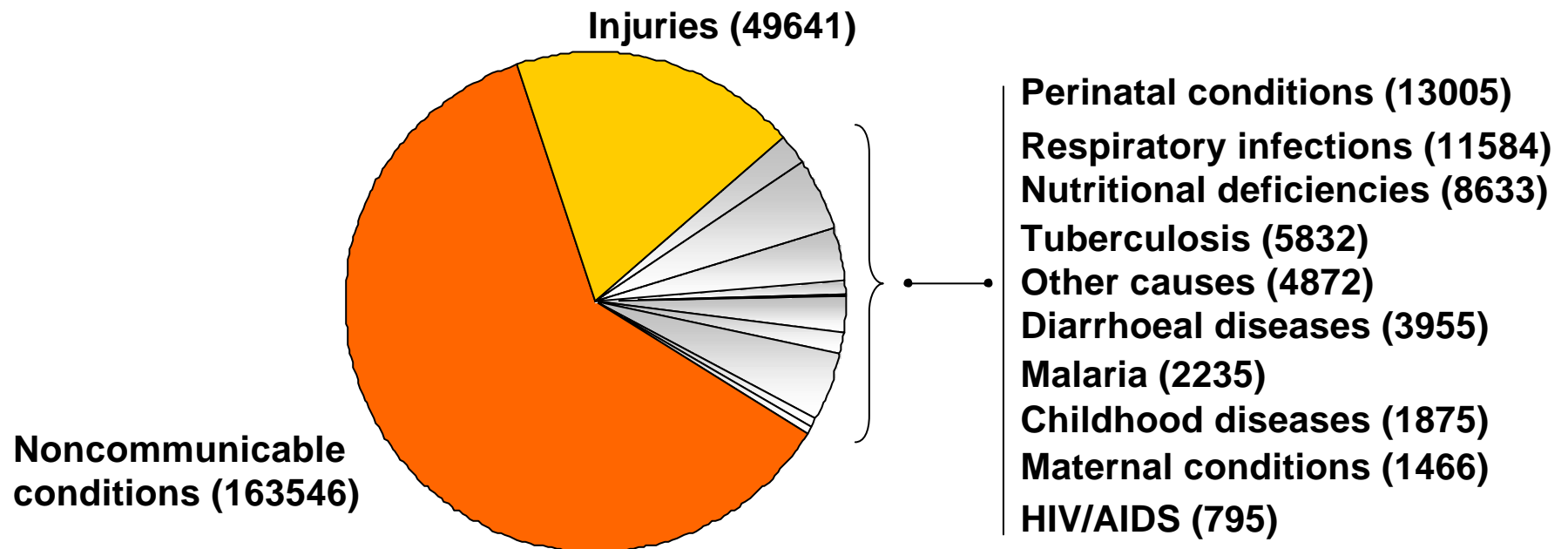


Source: World Health Report 2000

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Burden of disease in disability-adjusted life years (DALYs) in Western Pacific, 1999 (000s)

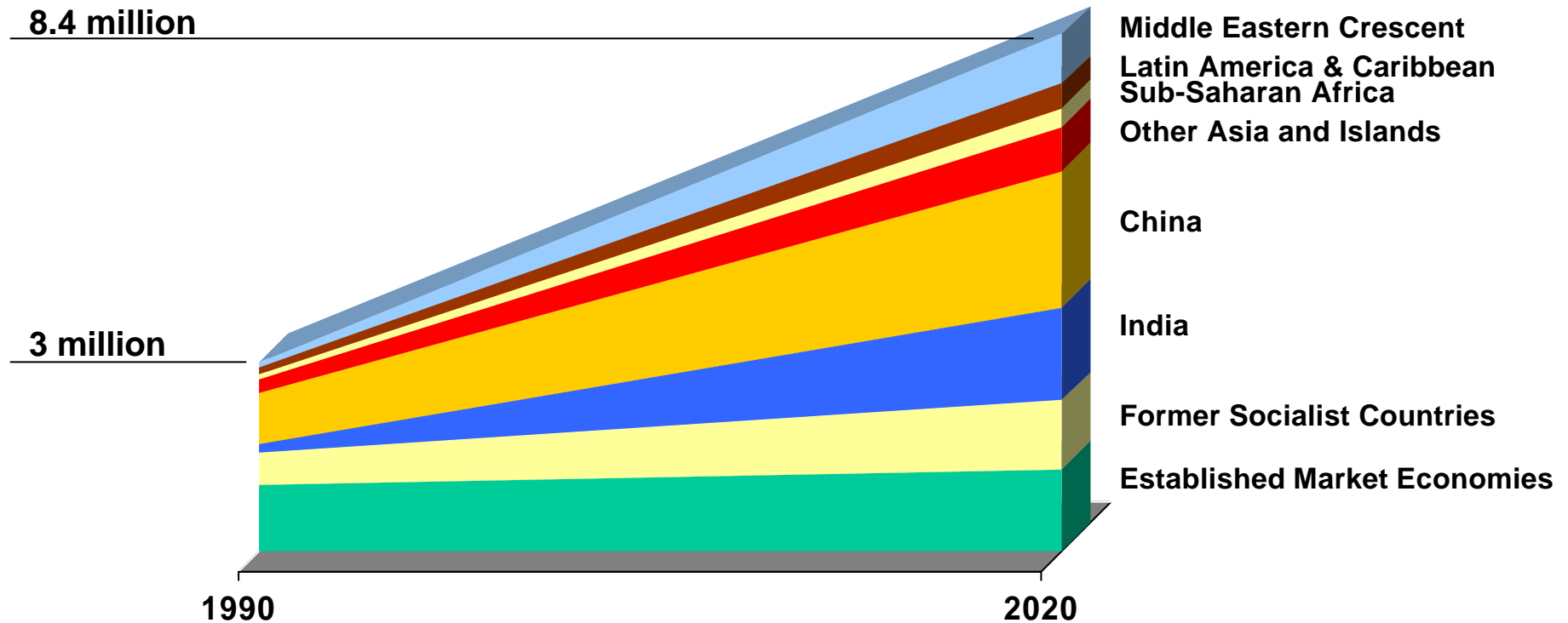


Source: World Health Report 2000

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Tobacco: deaths by World Bank regions estimates for 1990 and 2020

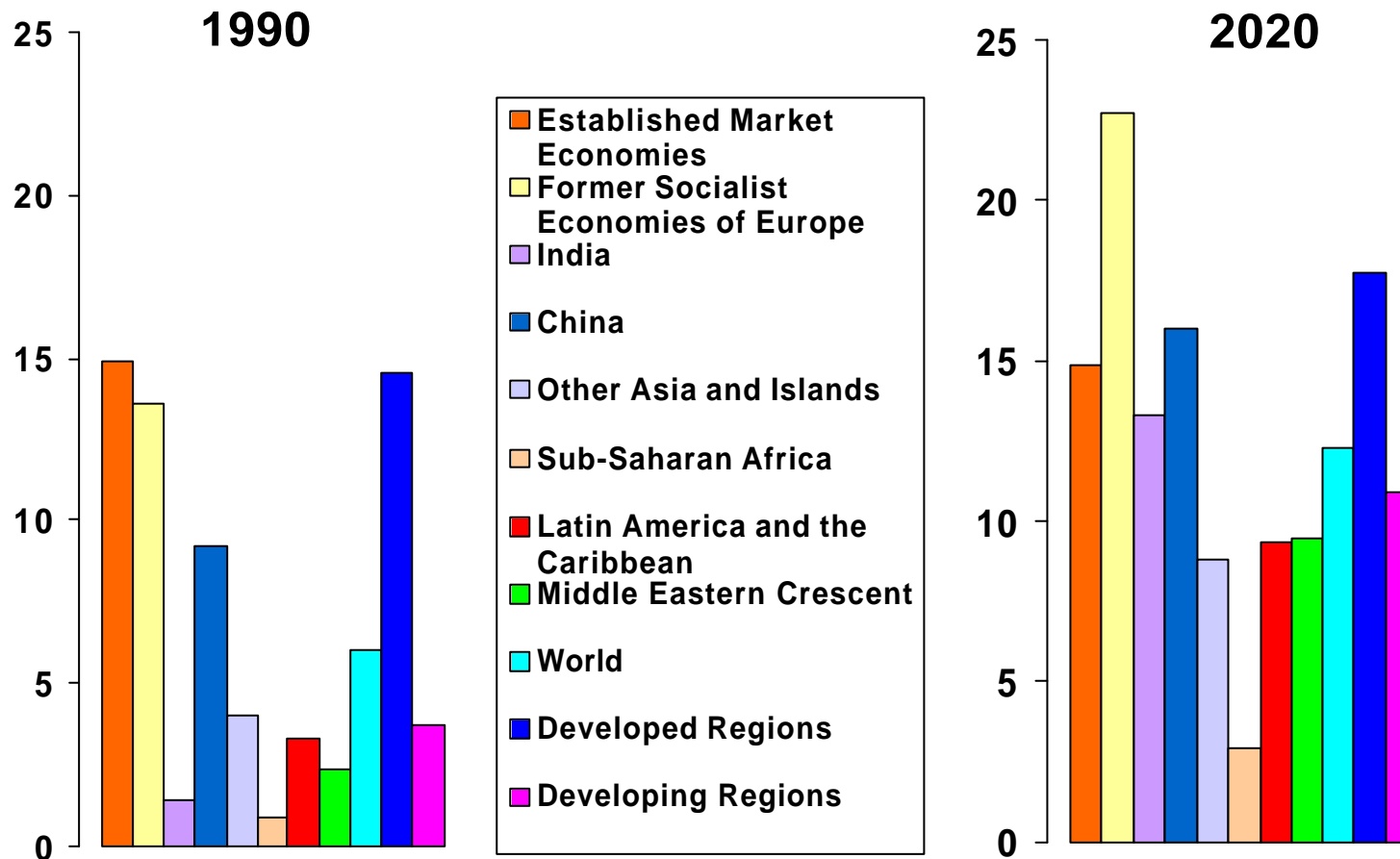


Source: Murray CJL, Lopez AD 1996

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Deaths (% of total) attributable to tobacco use by World Bank Region, estimates for 1990 and 2020



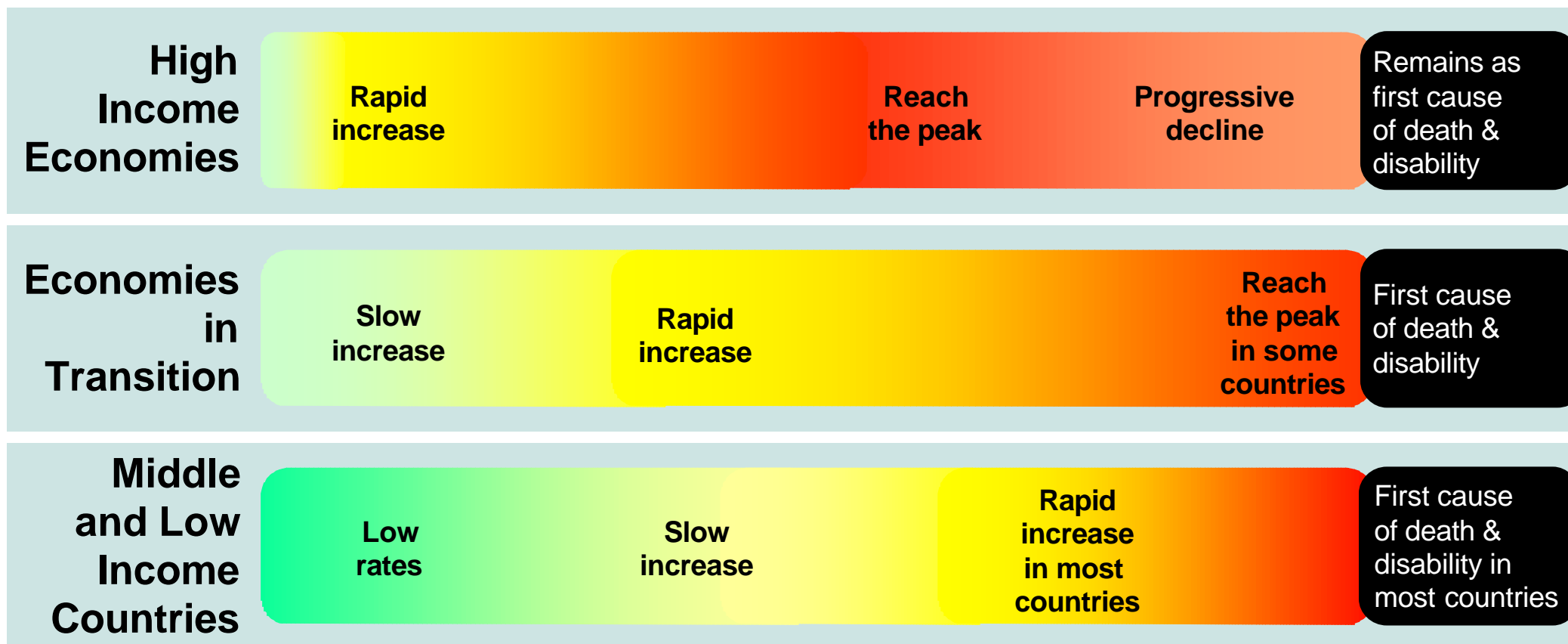
Source: Murray CJL, Lopez AD 1996

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Cardiovascular (CVD) epidemic in countries of different stages of development

-----1940-----1950-----1960-----1970-----1980-----1990-----2000-----



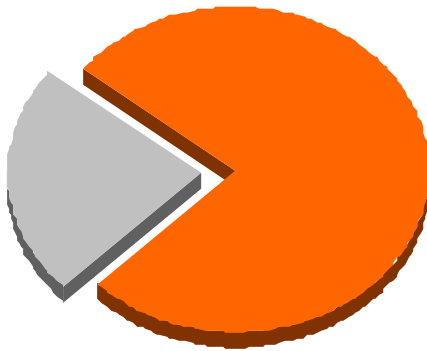
Source: WHO, NMH/MNC

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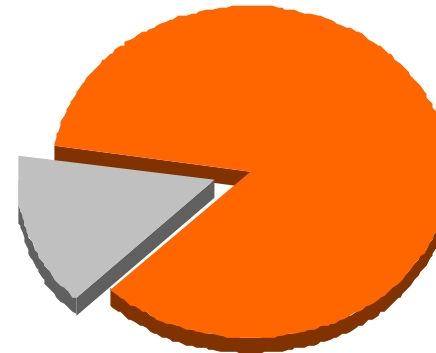


Low- and middle-income countries suffer the greatest impact on noncommunicable diseases

77% of the total number of deaths attributable to NCDs occurred in developing countries



85% of the global NCD disease burden is borne by low- and middle-income countries



Source: WHO: WHA A53/14, 2000

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