

- 4) a CRA template containing WHO estimates of attributable mortality and burden from twenty-four selected risk factors for a given Member State and its region, with the option of incorporating locally derived estimates and comparing these with WHO figures.
- 5) a presentation template for generating graphs and tables on key aspects of the above.
- 6) a CD containing the Dismod software package, the WHO NBD manual, GBD2000 documentation and Dismod models and other relevant material.

Any or all of the above can be made available to Member States on the condition that the estimates are not quoted as official estimates of WHO for Member States and that due acknowledgement is attributed back to WHO.

Further information on the WHO website

Documentation and tools for carrying out National Burden of Disease analyses are available on the WHO website at

<http://www.who.int/evidence/nbd>

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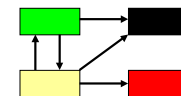


Epidemiology and Burden of Disease
 World Health Organization
 Geneva 2003



National Burden of Disease: WHO Prior Estimates

WHO Support for National Studies



National Burden of Disease Toolkit

WHO has developed a National Burden of Disease (NBD) Toolkit, the key components of which are WHO 'prior' estimates of mortality and burden of disease for UN Member States for the year 2000. These estimates are based on Version 2 results for the Global Burden of Disease 2000 study as published in the World Health Report 2002. Mortality estimates are based on analysis of latest available national information on levels of mortality and cause distributions. YLD estimates are based on the GBD 2000 analyses of incidence, prevalence, duration and severity of conditions for the relevant epidemiological subregion, together with national and subnational level information available to WHO. The GBD 2000 uses the latest population estimates for WHO Member States prepared by the UN Population Division.

Leading causes of mortality and burden of disease Prior estimates for Ghana, 2000

Mortality (deaths)

Rank	Disease or injury	% total deaths
1	HIV/AIDS	13.7
2	Perinatal conditions	8.3
3	Malaria	6.9
4	Measles	6.2
5	Lower respiratory infections	5.7
6	Ischaemic heart disease	5.6
7	Tuberculosis	5.1
8	Cerebrovascular disease	4.7
9	Diarrhoeal diseases	3.6
10	Road traffic accidents	1.9

Burden (DALYs)

Rank	Disease or injury	% total DALYs
1	HIV/AIDS	12.5
2	Perinatal conditions	9.5
3	Malaria	7.7
4	Measles	6.8
5	Lower respiratory infections	4.5
6	Tuberculosis	4.0
7	Diarrhoeal diseases	3.1
8	Unipolar depressive disorders	2.0
9	Road traffic accidents	1.9
10	Violence	1.8

Global Programme on Evidence for Health Policy

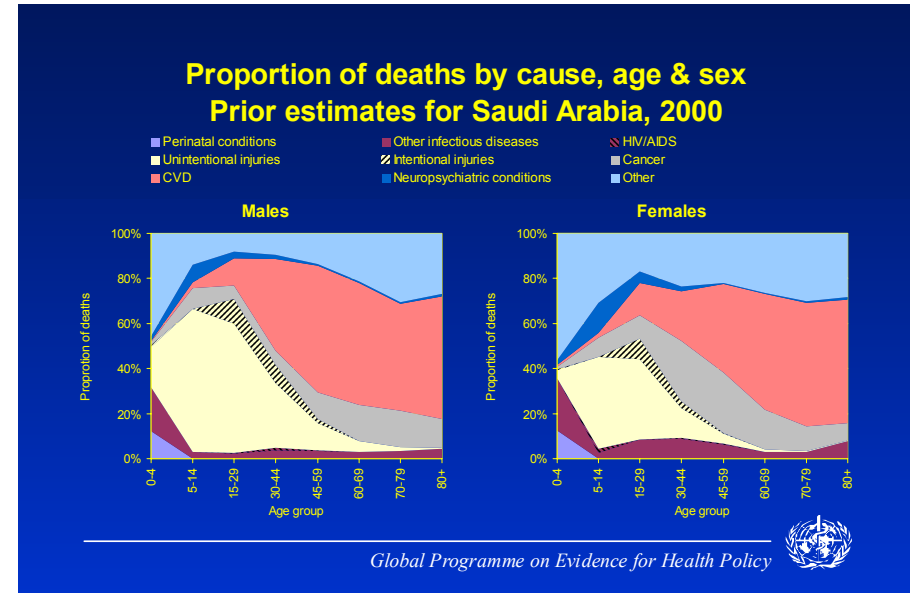
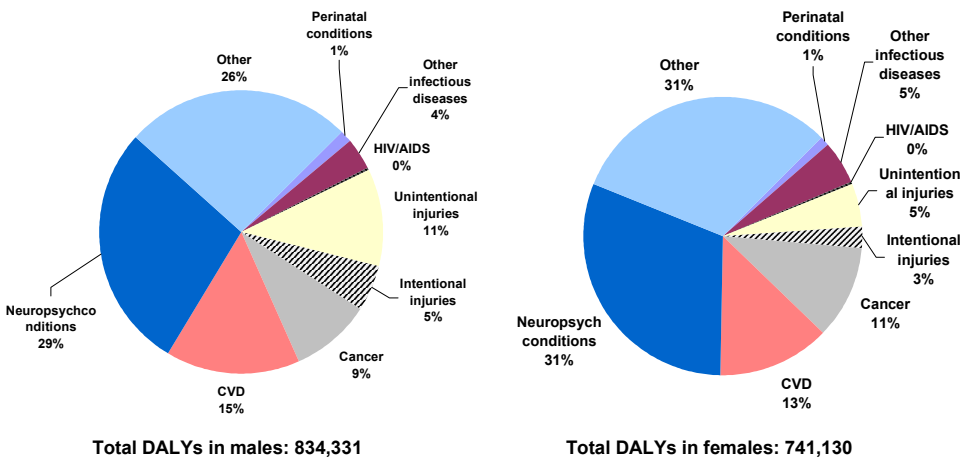


A starting point for in-depth analyses by countries

These data have been used to develop internally consistent estimates of mortality, incidence, prevalence, duration and DALYs for over 130 major causes, for each WHO Member State. They represent WHO's prior estimates of the national burden of disease and are intended to provide a starting point for more in-depth analyses by NBD study teams. It is hoped that such national studies will lead in turn to improvements in the GBD 2000 estimates at national, regional and global levels. These prior estimates should be interpreted as the best estimates of WHO, based on the evidence available to it in mid-2002, rather than the official estimates of Member States.

Some examples of NBD prior estimates for WHO Member States are shown here, based on Version 2 estimates of the GBD 2000. The NBD toolkit will be updated to Version 3 estimates with the publication of the World Health Report 2003.

DALYs by selected causes and sex Prior estimates for Cuba, 2000



Toolkit contents

- 1) a DALY summary file containing WHO estimates of deaths, YLL, YLD and DALYs by age, sex and cause for a given Member State and its region, with the option of incorporating locally derived estimates and comparing these with WHO figures.
- 2) a cause-specific YLD template containing WHO estimates of mortality, incidence, prevalence, duration and severity for any given cause for a given Member State and its region, with the option of incorporating locally derived estimates and comparing these with WHO figures. Locally derived YLD calculated using this template can easily be inserted into the above DALY summary file.
- 3) a LE and HALE template containing WHO estimates of life expectancy and Health Adjusted Life Expectancy for a given Member State and its region, with the option of incorporating locally derived estimates and comparing these with WHO figures. Locally derived PYLD calculated using the YLD template can easily be inserted into this workbook.