



Giardia - a parasite that causes diarrhoea

Sources & Bibliography

Sources of information

1. HIS data are recorded each month at all public health facilities, from where the data are forwarded to be collated at district, regional and national offices. Of 12 different data files, 8 were analysed for purposes of this book:

Outpatients. There are two files, one for children under the age of 5 and the other for people aged 5 and older. Each record gives the total number of cases of different health conditions seen during a month. The data are also divided into the number of cases seen for the first time and the number of cases of people returning for repeat treatments.

Inpatients. There are two files, one for children under the age of 13 and one for people aged 13 and older. Each record reports the total number of admissions for different health conditions during a month.

Mortality. Each record reports the cause of death, age, sex and other information for every death in a public health facility.

Maternal care. Information on the number of mothers receiving antenatal and postnatal care each month at clinics.

Maternity. Information on numbers of births and related information in maternity wards.

Immunization. Records of the number of children immunized each month, and also on the number of children that were underweight.

The original data files were checked and corrected where necessary. All analyses used to obtain results for the 13 regions were done using the most recent boundaries delimited in 1998.

2. Estimates for the incidence of diseases were derived using records of new cases among outpatients only. Records for health facilities within the same town were pooled to obtain the total number of new cases reported for each disease in a town since it was assumed that all facilities within a town served the same catchment population. The size of the catchment population was estimated by creating Thiessen polygons around each facility or group of facilities in a town, and then summing the number of people in each polygon. Information on the number of people was obtained from data on population densities, provided by the Atlas of Namibia project in the Ministry of Environment and Tourism. For average measures of incidence over the whole 1995-1999 period, an estimate of population size in 1997 was used, i.e. in the middle of the five years. It is possible that all these population estimates are slightly higher than the actual population, but results from the 2001 Population and Housing Census were not yet available.
3. Andersson, N. 1984. *Health sector policy options for independent Namibia*. Lusaka: United Nations Institute for Namibia.
4. Analyses of information supplied by the Medical Board of Namibia.
5. From estimates of revenue and expenditure for the financial years from 1991/1992 to 2000/2001 published by the Ministry of Finance.
6. From data provided by the Atlas of Namibia project in the Ministry of Environment and Tourism, which allowed estimates of the number of people in any area to be made.
7. The National Planning Commission and the Ministry of Health and Social Services compiled the projections.
8. Results of the 1991 Population & Housing census, and for some analyses from population censuses held in 1921, 1936, 1951, 1960, 1970, and 1981.
9. Ministry of Health and Social Services. 2001. *Preliminary report: Namibia Demographic and Health Survey, 2000*. Windhoek: Namibia, and analyses of unpublished data collected during this survey.

10. From analysis of data collected during the 1996 InterCensal Demographic Survey.
11. Katjivanjo, P., Titus, S., Zauana, M. & Boerma, T. 1993. *Namibia Demographic and Health Survey, 1992*. Windhoek: Ministry of Health and Social Services and Macro International Inc.
12. United Nations Development Programme. 1999. *Namibia: Human Development Report*. Windhoek: UNDP.
13. Numbers and proportions of people within an area were estimated by overlaying buffer areas within 10 km of health facilities on population density data supplied by the Atlas of Namibia project in the Ministry of Environment and Tourism
14. Information supplied by the Ministry of Health and Social Services.
15. From analysis of the 1991 Population and Housing Census enumeration areas and updated with information on the distribution of new water schemes and the results of the DHS in 2000.
16. United Nations Programme on AIDS (UNAIDS). 2000. *Report on the global HIV/AIDS epidemic, June 2000*. Geneva: UNAIDS.
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