## The extent to which data in the NMCSS Epidemiology Report reflects the true burden of disease in South Africa at the time of report compilation



NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES

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**Division of the National Health Laboratory Service** 

► NMC	DOES DATA REFLECT TRUE BURDEN OF DISEASE?	NICD CENTRE'S COMMENTS
CONGENITAL SYPHILIS	Gross underestimate	Laboratory testing is not routinely performed and uptake of reporting by clinicians is minimal.
DENGUE FEVER VIRUS. OTHER IMPORTED ARBOVIRUSES OF MEDICAL IMPORTANCE	Underestimate	Good uptake of the lab and clinical reporting across the public and private sector, but data will always be an underestimate of the true burden of disease because of lack of seeking health care in mild cases, underdiagnoses in cases with unspecified symptoms and signs and self- limiting nature of disease.
	Best possible estimate	Data will always be a minimal estimate of true burden because of limitations in diagnosis and reporting. Diagnosis is often not suspected, throat swab samples are not taken, some laboratories do not test for diphtheria on throat swabs.
ENTERIC FEVER (TYPHOID OR PARATYPHOID FEVER)	Best possible estimate	Reporting of cases diagnosed at public sector facilities is excellent, but reporting from the private laboratory may be incomplete while data systems are being developed.
FOOD BORNE DISEASE OUTBREAK	Underestimate	Many outbreaks may not be reported because of limited public awareness regarding reporting channels.
HAEMOLYTIC URAEMIC SYNDROME (HUS)	Underestimate	Cases may not be reported through lack of clinician awareness.
HAEMOPHILUS INFLUENZAE TYPE B	Best possible estimate	Laboratory reporting systems are adequate. However, some cases, especially those with presenting with pneumonia, may not have samples collected and sent to the laboratory.
	Underestimate	Lab confirmation not routinely done. Estimates have limitations with diagnosis and reporting.
нератітіѕ в	Overestimate	Repeated testing of persons with chronic disease may lead to duplicate notifications over the course of disease. Efforts are underway to develop a chronic disease 'register' to facilitate identification and reporting of acute vs chronic disease.
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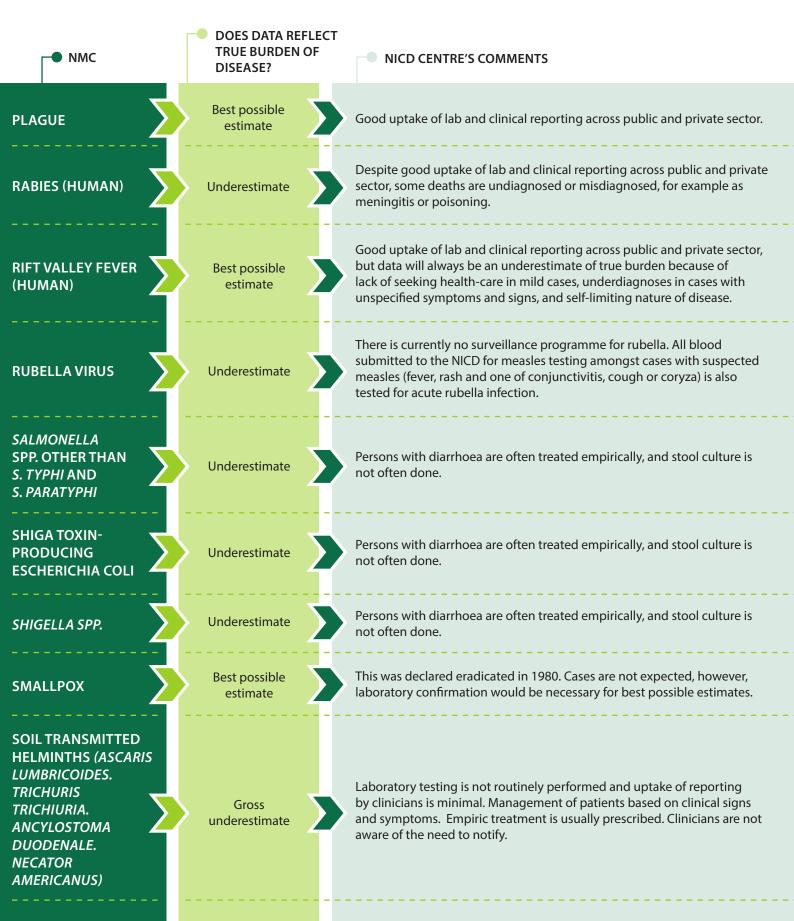
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