

Definitions and sources (abbreviations given in footnote)

Group	Indicator	Description	Numerator	Denominator	Source
Deprivation	South African Index of Multiple Deprivation Rank (1 = most deprived)	Ranking for composite index of deprivation. Indicators cover the following domains: income and material deprivation, employment deprivation, education deprivation, and living environment deprivation			Southern African Social Policy Research Institute (SASPRI), based on data from Stats SA Census 2011
	Provincial and Local Government expenditure on District Health Services per capita (uninsured)	Total amount spent on PHC (DHS) per person without medical scheme coverage	Provincial expenditure on DHS (excluding 2.8 Coroner) plus net LG expenditure on PHC	Uninsured population (total population less medical scheme coverage x population)	Calculated from BAS, NW financial data, Treasury data on LG expenditure, DHIS population data and Stats SA GHS medical scheme coverage
Finance	Provincial PHC expenditure per capita (uninsured)	Total amount spent on non-hospital PHC health services per person without medical scheme coverage	Provincial expenditure on PR2.2-2.7 of DHS + net LG expenditure	Uninsured population (total population less medical scheme coverage x population)	Calculated from BAS, NW financial data, Treasury data on LG expenditure, DHIS population and Stats SA GHS medical scheme coverage
Management PHC	Provincial expenditure per PHC headcount	Total amount spent on non-hospital PHC health services per headcount	Provincial expenditure on PR2.2-2.7 of DHS + net LG expenditure	Total PHC headcount	BAS, DHIS PHC headcount
	Percentage Ideal Clinics	Percentage of fixed PHC facilities assessed on the Ideal Clinic dashboard that achieved Ideal Clinic status (silver, gold, platinum or diamond status)	Number of fixed PHC facilities achieving silver, gold, platinum or diamond status on the Ideal Clinic dashboard	Fixed clinics plus fixed CHCs/ CDCs	DHIS NDoH5, Ideal Clinic review tools
Management Inpatients	Percentage of assessed PHC facilities with 90% of tracer medicines available	Percentage of PHC facilities that have conducted a status determination with 90% of tracer medicines available	Number of facilities that have 90% or more of tracer medicines available in the facility	Total number of fixed PHC facilities, including community health centres and community day centres that have conducted a status determination	Ideal Clinic review tools
	Average length of stay	Average number of patient days that an admitted patient spends in hospital before separation	Inpatient days + 1/2 day patients	Separations = Discharges (including day patients) + Deaths + Transfers out	DHIS NDoH5
Management Inpatients	Inpatient bed utilisation rate	Number of patient days during the reporting period, expressed as a percentage of the sum of the daily number of useable beds. Comment: The calculation here is an approximation. It assumes: (1) a day patient occupies a bed for half a day, (2) there are always 30 days in a month	Total patient days = (Inpatient days + 1/2 day patients) x 100	Total useable bed days = (Inpatient beds – total) x 30.42	DHIS NDoH5
	Expenditure per Patient Day Equivalent	Average cost per patient per day seen in a hospital (expressed as Rand per PDE)	Total expenditure on health per hospital	PDE total	BAS, NW financial data, DHIS (PDE)
	OPD new client not referred rate (district hospitals)	Proportion of new OPD clients without a referral letter	OPD headcount not referred new	OPD headcount not referred new	OPD new clients total
	Inpatient crude death rate	Proportion of admitted clients/separations who died during hospital stay	Inpatient deaths – total	Separations = Discharges (including day patients) + Deaths + Transfers out	DHIS NDoH5

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Delivery	Delivery in 10 – 19 years in facility rate	Deliveries to women aged 10 – 19 years as proportion of total deliveries in health facilities	Delivery in facility 10 – 19 years	Delivery in facility total	DHIS NDoH5
	Inpatient early neonatal death rate	Number of inpatient deaths within the first 7 days of life per 1 000 live births in health facilities	Early neonatal deaths	Live births in facility	DHIS NDoH5
	Stillbirth rate in facility	Infants born still per 1 000 total births in health facilities	Still birth in facility	Total births in facility	DHIS NDoH5
	Maternal mortality in facility ratio	Women who died in hospital as a result of childbearing, during pregnancy or within 42 days of delivery or termination of pregnancy, per 100 000 live births in facility	Maternal deaths in facility	Live births in facility	DHIS NDoH5
PMTCT	Mother postnatal visit within 6 days rate	Proportion of mothers who received postnatal care within 6 days after delivery as proportion of deliveries in health facilities	Mother postnatal visit within 6 days after delivery	Delivery in facility total	DHIS NDoH5
	Antenatal 1st visits before 20 weeks rate	Women who have a booking visit (1st visit) before they are 20 weeks into their pregnancy as proportion of all antenatal 1st visits	Antenatal 1st visits before 20 weeks	Antenatal 1st visits	DHIS NDoH5
	Infant PCR test positive around 10 weeks rate	Infants tested PCR positive for follow up test as a proportion of infants PCR tested around 10 weeks	Infant PCR test positive around 10 weeks	Infant PCR test around 10 weeks	DHIS NDoH5
	HIV test around 18 months uptake rate	Infant rapid HIV test around 18 months after birth as the proportion of infants under 18 months. The denominator is collected 18 months before the numerator thus the indicator formula uses Live birth to HIV-positive woman recorded 18 months ago in order to provide reliable output	Infant rapid HIV test around 18 months	Live birth to HIV positive woman	DHIS NDoH5
Immunisation	Immunisation coverage under 1 year	Percentage of all children in the target area under 1 year who complete their primary course of immunisation. A primary course includes BCG, OPV1, DTaP-IPV-Hib-HBV 1, 2 and 3, PCV 1, 2 and 3, RV 1 and 2 and measles 1	Children fully immunised under 1 year	Target population under 1 year	DHIS NDoH5
	Measles 2nd dose coverage	Proportion of children 1 year (12–23 months) who received measles 2nd dose, normally at 18 months	Measles 2nd dose	Population 1 year	DHIS NDoH5
Child Health	Infant exclusively breastfed at DTaP-IPV-Hib-HBV 3rd dose rate	Proportion infants reported exclusively breastfed at 14 weeks DTaP-IPV-Hib-HBV 3rd dose vaccination	Infant exclusively breastfed at DTaP-IPV-Hib-HBV 3rd dose	DTaP-IPV-Hib-HBV 3rd dose	DHIS NDoH5
	Child under 5 years diarrhoea case fatality rate	Proportion of children under 5 years admitted with diarrhoea who died	Child under 5 years with diarrhoea death	Child under 5 years with diarrhoea admitted	DHIS NDoH5
School Health	Child under 5 years pneumonia case fatality rate	Proportion of children under 5 years admitted with pneumonia who died	Child under 5 years pneumonia death	Child under 5 years pneumonia admitted	DHIS NDoH5
	Child under 5 years severe acute malnutrition case fatality rate	Severe acute malnutrition deaths in children under 5 years as a proportion of severe acute malnutrition under 5 years in health facilities	Severe acute malnutrition death in facility under 5 years	Severe acute malnutrition in facility under 5 years	DHIS NDoH5
	School Grade 1 screening coverage	Proportion of Grade 1 learners screened by a nurse in line with the ISHP service package	School Grade 1 learners screened	School Grade 1 learners total	DHIS NDoH5
	School Grade 8 screening coverage	Proportion of Grade 8 learners screened by a nurse in line with the ISHP service package	School Grade 8 learners screened	School Grade 8 learners total	DHIS NDoH5

Group	Indicator	Description	Numerator	Denominator	Source
Reproductive Health	Couple year protection rate	Women protected against pregnancy by using modern contraceptive methods, including sterilisations, as proportion of female population 15–49 year. Contraceptive years are the total of (Oral pill cycles / 15) + (Medroxyprogesterone injection / 4) + (Norethisterone enanthate injection / 6) + (IUCD x 4.5) + (Sub-dermal implant x 2.5) + Male condoms distributed / 120) + (Female condoms distributed / 120) + (Male sterilisation x 10) + (Female sterilisation x 10).	Contraceptive years dispensed (including sterilisations)	Female target population 15–44 years	DHIS NDoH5
	Cervical cancer screening coverage	Cervical smears in women 30 years and older as a proportion of 10% of the female population 30 years and older	Cervical cancer screening in women 30 years and older	10% of female target population 30 years and older	DHIS NDoH5
	TB client treatment success rate	Proportion TB clients (ALL types of TB) cured plus those who completed treatment	TB client cured OR completed treatment	TB client initiated on treatment	NDoH TB Directorate
	TB death rate	TB clients who died during treatment as a proportion of TB clients started on treatment	Number of patients who died	All TB patients in cohort	NDoH TB Directorate
	TB loss to follow-up rate	Proportion of TB patients who default on treatment	Number of TB patients who default on treatment	Total number of TB cases started on treatment during the specified time	NDoH TB Directorate
Tuberculosis	TB client initiated on treatment rate	Percentage of GeneXpert confirmed TB patients who are started on treatment	TB client (with GeneXpert results) start on TB treatment	Number of TB tests with Mycobacterium TB detected	NDoH TB Directorate, NHLS (based only on tests done using GeneXpert technology)
	TB rifampicin resistance confirmed client rate	Percentage of positive TB tests that are rifampicin resistant	Number of TB tests rifampicin resistant	Number of TB tests with Mycobacterium TB detected	NHLS (based only on tests done using GeneXpert technology)
	TB Rifampicin resistant clients confirmed treatment start rate	TB Rifampicin Resistant confirmed clients started on treatment (EDRWeb clients where GeneXpert RIFRESULT01=Resistant) as a proportion of TB Rifampicin Resistant confirmed clients (based on GeneXpert results)	TB Rifampicin Resistant confirmed clients started on treatment (EDRWeb clients where GeneXpert RIFRESULT01=Resistant) as a proportion of TB Rifampicin Resistant confirmed clients (based on GeneXpert results)	TB Rifampicin Resistant confirmed client	NHLS (based only on tests done using GeneXpert technology)
	TB symptom 5 years and older screened in facility rate	Clients 5 years and older screened for TB symptoms as a proportion of PHC headcount 5 years and older	Client 5 years and older screened for TB	PHC headcount 5 years and older	DHIS NDoH5
	TB symptom child under 5 years screened in facility rate	Clients under 5 years screened for TB symptoms as a proportion of PHC headcount under 5 years	Client under 5 years screened for TB	PHC headcount 5 under years	DHIS NDoH5
HIV and AIDS	TB/HIV co-infected client on ART rate (ETR.net)	HIV-positive TB cases on ART	HIV-positive TB cases on ART	HIV-positive TB cases	NDoH TB Directorate
	Male condom distribution coverage	Number of male condoms distributed to clients via the facility or via factories, offices, restaurants, NGOs or other outlets, per male 15 years and older	Male condoms distributed	Male population 15 years and older	DHIS NDoH5
	HIV testing coverage age 19 month and older (including ANC)	Clients HIV tested as proportion of population 19 months and older including ANC clients	HIV test client 15–49 years	Population 15–49 years	DHIS NDoH5
	Clients remaining on ART rate	Percentage of estimated people living with HIV who remain on ART	Total clients remaining on ART at end of the month	Estimated number of people living with HIV	NDoH TB Directorate

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Environmental health	Environmental health services compliance rate	Number of Municipalities complying with national environmental health norms and standards in rendering Environmental Health Services	Number of audited elements achieved	Number of audited elements	Environmental health assessment tool
	Port health services compliance rate	Points of entry compliant on the core capacity and Environmental Norms and Standards	Number of audited elements achieved	Number of audited elements	Port Health Service core capacity assessment tool

AIDS: Acquired immune deficiency syndrome
 ANC: Antenatal care
 ART: antiretroviral treatment
 BAS: National Treasury Basic Accounting System
 BCG: Bacille Calmette-Guerin
 BP: blood pressure
 CDC: Community Day Centre
 CHC: Community Health Centre
 DHIS: District Health Information Software
 DHS: District Health Services
 DIaP-IVP-Hib-HBV: Diphtheria, Tetanus, Inactivated Polio Vaccine, Haemophilus Influenza B, Hepatitis Vaccine
 GHS: General Household Survey
 HIV: Human immunodeficiency virus
 ISHP: Integrated School Health programme
 LG: Local Government
 NDoH: National Department of Health
 NHLS: National Health Laboratory Service
 NW: North West
 OPD: outpatient department
 OPV: oral polio vaccine
 PCR: polymerase chain reaction
 PCV: Pneumococcal conjugate vaccine
 PDE: patient day equivalent
 PHC: primary health care
 PMTCT: Prevention of mother-to-child transmission of HIV
 PR: programme
 RV: Rotavirus vaccine
 Stats SA: Statistics South Africa
 TB: Tuberculosis.



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