



Normative Values for Indicators

Employed in category (8)

Calculation	The number of staff employed by category, divided by the number employed in all categories, converted to a percentage	
Numerator	Employed by category - filled	9
Denominator	Employed by category - filled	9
Factor	100	

Vacancy rate (11)

Calculation	Number of staff employed by category divided by the number in the establishment in the same category. Subtract the answer from one, and express as a percentage	
Numerator	Employed by category - filled	9
Denominator	Establishment by category	10
Factor	100	

Personnel budget spent on category (12)

Calculation	Divide the budget for each category of personnel by the total budget for all personnel, and convert to a percentage	
Numerator	Personnel budget by category	11
Denominator	Personnel budget - total	157
Factor	100	

Cost per staff member (13)

Calculation	Divide the personnel budget by category, by the number employed by category, for each category, and express the answers in Rands (per person)	
Numerator	Personnel budget by category	11
Denominator	Employed by category – filled	9

Expenditure on facility maintenance as percentage of health expenditure (27)

Calculation	Divide facility maintenance expenditure (either by DOH or DPW) by total provincial DOH and DPW expenditure, and convert to a percentage	
Numerator	Expenditure on facility maintenance	21
Denominator	Expenditure by DPW (including capital)	13
Denominator	Expenditure by provincial DOH	15
Factor	100	

Population per facility (31)

Calculation	Divide the total population by the number of facilities in the area	
Numerator	Population - total	2
Denominator	Facility type	163

Facilities with electricity supply from the grid (35)

Calculation	Divide the number of facilities with electricity supply from grid by the total number of facilities, and convert to percentage	
Numerator	Electricity supply from grid	24
Denominator	Facility type	163
Factor	100	

Facilities with piped water supply (36)

Calculation	Divide the number of facilities with piped water supply by the total number of facilities, and convert to percentage	
Numerator	Piped water supply	25
Denominator	Facility type	163
Factor	100	

Facilities with fixed telephone line (37)

Calculation	Divide the number of facilities with fixed line telephone by the total number of facilities and convert to percentage	
Numerator	Fixed line telephone	26
Denominator	Facility type	163
Factor	100	

Facility condition average grade - 1996 NHFA (39)

Calculation	Sum all the NHFA gradings (A=1, B=2 etc.), divide by the number of facilities of this type, and convert the answer back into a NHFA grade (e.g. 1.8 becomes B, 2.4 becomes C etc.)	
Numerator	NHFA condition grading - 1996	27
Denominator	Facility type	163

Facility condition average grade - provincial audit (40)

Calculation	Sum all the gradings (A=1, B=2 etc.), divide by the number of facilities of this type, and convert the answer back into a grade (e.g. 1.8 becomes B, 2.4 becomes C etc.)	
Numerator	Provincial audit grading	28
Denominator	Facility type	163

Employed per 1,000 people - filled posts (42)

Calculation	Divide the number employed by category by the total population, and multiply by 1,000	
Numerator	Employed by category - filled	9
Denominator	Population - total	2
Factor	1,000	

Expenditure on DHS by the provincial DOH per person (44)

Calculation	Sum expenditure on DHS and expenditure on capital by the provincial DOH, and divide the sum by the total population	
Numerator	Expenditure on DHS programme by provincial DOH	217
Denominator	Population - total	2

Expenditure on DHS per person – total (46)

Calculation	Add provincial, DPW and municipality expenditure on DHS together, and divide by the total resident population	
Numerator	Expenditure on DHS by DPW	310
Numerator	Expenditure on DHS programme by provincial DOH	217
Numerator	Expenditure on DHS programme by municipalities	174
Denominator	Population - total	2

Professional nurses per 100,000 people (48)

Calculation	Divide the number of professional nurses by the total population and multiply by 100,000	
Numerator	Professional nurse employed	205
Denominator	Population - total	2
Factor	100,000	

Fixed public PHC facilities offering the full package of PHC services (50)

Calculation	Divide the number of PHC fixed facilities with full PHC package delivery by the total number of PHC fixed facilities, and convert to a percentage	
Numerator	Full PHC package delivery	29
Denominator	PHC fixed facility	155
Factor	100	

Health districts/sub-districts with appointed manager (51)

Calculation	Divide the number of health sub-districts with an appointed manager/CEO by the total number of health sub-districts, and convert to a percentage	
Numerator	Manager/CEO appointed	30
Denominator	Health sub-district	164
Factor	100	

Health districts/sub-districts with formal business plan (52)

Calculation	Divide the number of health sub-districts with a formal plan by the total number of health sub-districts, and convert to a percentage	
Numerator	Business plan submitted and approved by agreed deadline	31
Denominator	Health sub-district	164
Factor	100	

Fixed public PHC facilities with functioning community participation structure (53)

Calculation	Divide the number of PHC fixed facilities with functioning community participation structure by the total number of PHC fixed facilities, and convert to a percentage	
Numerator	Community participation structure / board	32
Denominator	PHC fixed facility	155
Factor	100	

PHC headcount per person (54)

Calculation	Divide the total PHC headcount in all PHC facilities in the area by the population in that area	
Numerator	PHC total head count	33
Denominator	Population - total	2

Children under one year fully immunized (56)

Calculation	Divide the number of children immunized fully under one year by the population under one year in that area, and convert to a percentage	
Numerator	Immunized fully under one year - new	34
Denominator	Population - under one year	35
Factor	100	

Fixed public PHC facilities in facility audit condition four or five (57)

Calculation	Divide the number of fixed PHC facilities that have a latest audit grading of four or five, by the total number of PHC fixed facilities, and convert to a percentage, and convert to a percentage	
Numerator	Provincial audit grading	28
Denominator	PHC fixed facility	155
Factor	100	

PHC facilities visited at least once per month by a supervisor who produces a written report (58)

Calculation	Divide the number of PHC facilities visited by the total number of PHC facilities, and convert to a percentage	
Numerator	PHC facility - monthly supervisor visit	36
Denominator	PHC facility	168
Factor	100	

PHC facilities supported by a doctor at least once a week (59)

Calculation	Divide the number of PHC facilities supported by a doctor by the total number of PHC facilities, and convert to a percentage	
Numerator	PHC facility - supported by a doctor at least once a week	37
Denominator	PHC facility	168
Factor	100	

Health districts/sub-districts with a formal quality improvement plan (60)

Calculation	Divide the number of sub-districts with a formal quality improvement plan by the total number of sub-districts, and convert to a percentage	
Numerator	Formal quality improvement plan	38
Denominator	Health sub-district	164
Factor	100	

PHC facilities without DTP Hib vaccine at any time of year (61)

Calculation	Divide the number of PHC facilities without DTP Hib by the total number of PHC facilities, and convert to a percentage	
Numerator	PHC facility - without DTB Hib	39
Denominator	PHC facility	168
Factor	100	

Expenditure on PHC per PHC headcount by province (63)

Calculation	Sum PHC expenditure by provincial DOH and DPW, and divide by the PHC total headcount in provincial PHC facilities.	
Numerator	Transfer to municipalities and NGOs	17
Numerator	Expenditure on PHC by provincial DOH	208
Numerator	Expenditure on DHS by DPW	310
Denominator	PHC total headcount	33

HIV antenatal seroprevalence rate (66)

Calculation	Number of antenatal clients testing positive for HIV divided by number of antenatal clients tested for HIV. Convert to a percentage	
Numerator	Antenatal client HIV positive - new	41
Denominator	Antenatal client tested for HIV - new	42
Factor	100	

STI treatment rate (per 1,000) (69)

Calculation	Divide case treated as STI - new by the resident population 15 yrs and older and multiply by 1,000	
Numerator	Case treated as STI - new	47
Denominator	Population - 15 years and older	172
Factor	1,000	

New smear positive TB cases (number and per 100,000) (71)

Calculation	For number, use smear positive pulmonary TB (PTB) caseload - new. For rate divide number by population - total and multiply by 100,000	
Numerator	Smear positive PTB caseload - new	62
Denominator	Population - total	2
Factor	100,000	

TB prevalence rate (72)

Calculation	Number of TB cases expressed as a figure out of 100,000 population	
Numerator	TB caseload - total	51
Denominator	Population - total	2
Factor	100,000	

PHC facilities where condoms are freely available (75)

Calculation	Divide the number of PHC facilities with condom dispensers by the total number of PHC facilities, and convert to a percentage	
Numerator	Condom dispenser	53
Denominator	PHC facility	168
Factor	100	

Facilities offering VCT (76)

Calculation	Divide the number of facilities offering one or more service days per week (for VCT) by the total number of PHC fixed facilities and hospitals, and convert to a percentage	
Numerator	Service day - VCT	54
Denominator	Hospitals – total	148
Denominator	PHC fixed facility	155
Factor	100	

Facilities offering syndromic management of STIs (77)

Calculation	Divide the number of facilities with one or more staff trained in syndromic management of STIs by the total number of facilities, and convert to a percentage	
Numerator	Facility with staff trained in syndromic management of STIs	341
Denominator	Facility type	163
Factor	100	

TB cases with a DOT supporter (80)

Calculation	Divide the number of TB cases with DOTS supporter by the total TB caseload, and convert to a percentage	
Numerator	TB case with DOT supporter – new	58
Denominator	TB caseload - total	51
Factor	100	

Smear positive PTB cases as percentage of all PTB cases (84)

Calculation	Add the number of new and retreatment smear positive PTB cases together, divide by the total PTB caseload, and convert to a percentage	
Numerator	Smear positive PTB caseload – new	62
Numerator	Smear positive PTB caseload – retreatment	71
Denominator	PTB caseload	52
Factor	100	

New smear positive PTB cases as percentage of expected number of cases (85)

Calculation	Divide the number of new smear positive PTB cases by the total expected number of new PTB cases, and convert to a percentage	
Numerator	Smear positive PTB caseload - new	62
Denominator	Expected new smear positive PTB case	63
Factor	100	

TB cases who are being re-treated (87)

Calculation	Divide the TB retreatment caseload by the total TB caseload and convert to a percentage	
Numerator	Retreatment TB caseload	66
Denominator	TB caseload - total	51
Factor	100	

New smear positive PTB cases who interrupt treatment (88)

Calculation	Divide the new smear positive PTB cases who have interrupted treatment by the total new smear positive PTB caseload, and convert to a percentage	
Numerator	Smear positive PTB case interrupting treatment – new	67
Denominator	Smear positive PTB caseload - new	62
Factor	100	

Dedicated HIV/AIDS budget spent (89)

Calculation	Divide the expenditure on the HIV/AIDS sub-programme by its budget, convert to a percentage	
Numerator	Expenditure on HIV/AIDS budget sub-programme	169
Denominator	Budget for HIV/AIDS sub-programme	171
Factor	100	

Syphilis prevalence rate (91)

Calculation	Number of syphilis cases expressed as a figure out of 1,000 population	
Numerator	Syphilis case - new	48
Denominator	Population - 15 years and older	172
Factor	1,000	

PTB smear conversion rate at two months for new cases (92)

Calculation	Divide the number of smear conversions at two months for new PTB cases, by the total smear positive new PTB caseload, and convert to a percentage	
Numerator	PTB smear conversion at two months - new	69
Denominator	Smear positive PTB caseload - new	62
Factor	100	

PTB smear conversion rate at three months for re-treated cases (93)

Calculation	Divide the number of smear conversions at three months for retreated PTB cases, by the total smear positive retreatment PTB caseload, and convert to a percentage	
Numerator	PTB smear conversion at three months - retreatment	70
Denominator	Smear positive PTB caseload - retreatment	71
Factor	100	

New smear positive PTB cases cured at first attempt (94)

Calculation	Divide the number of new PTB cases who are cured by the total smear positive new PTB caseload, and convert to a percentage	
Numerator	Smear positive PTB case cured – new	72
Denominator	Smear positive PTB caseload – new	62
Factor	100	

TB cases that are MDR (95)

Calculation	Divide the MDR caseload by the total TB caseload, and convert to a percentage	
Numerator	MDR caseload	73
Denominator	TB caseload - total	51
Factor	100	

Nutrition posts filled at all levels against nutrition staff establishments (96)

Calculation	Divide number employed (on INP) by number in establishment (on INP) and convert to a percentage	
Numerator	Employed by category - filled	9
Denominator	Establishment by category	10
Factor	100	

Newborn babies given Road to Health Chart (100)

Calculation	Divide babies at 12 months old with Road to Health Chart by babies at 12 months old seen in survey, and convert to a percentage	
Numerator	Baby at 12 months old with Road to Health Chart	77
Denominator	Baby at 12 months old seen in survey	76
Factor	100	

Targeted primary schools that have feeding programmes (101)

Calculation	Divide schools with programme in place by schools targeted, and convert to a percentage	
Numerator	School with nutrition programme in place	79
Denominator	School targeted for nutrition programme	78
Factor	100	

Target number of school feeding days that are actual school feeding days (102)

Calculation	Divide actual school feeding data by minimum school feeding days, and convert to a percentage	
Numerator	School feeding day - actual	81
Denominator	School feeding day - planned	80
Factor	100	

Hospitals with maternity beds certified as baby friendly (103)

Calculation	Divide hospitals certified as user friendly by total hospitals with maternity beds, and convert to a percentage	
Numerator	Hospital with maternity beds certified as user friendly	83
Denominator	Hospital with maternity beds	82
Factor	100	

Targeted schools where actual servings for school feeding comply with requirements (104)

Calculation	Divide schools complying with menu option requirements by schools targeted, and convert to a percentage	
Numerator	School complying with menu options requirements	84
Denominator	School targeted for nutrition programme	78
Factor	100	

Integrated Nutrition Programme conditional grant spent (105)

Calculation	Divide expenditure by budget, and convert to a percentage	
Numerator	Expenditure on Integrated Nutrition Programme	86
Denominator	Budget for Integrated Nutrition Programme	85
Factor	100	

Special allocation for poverty relief spent (106)

Calculation	Divide expenditure by budget, and convert to a percentage	
Numerator	Expenditure from Poverty Relief Conditional Grant	88
Denominator	Budget for Poverty Relief Conditional Grant	87
Factor	100	

Children under five years stunted (109)

Calculation	Divide children suffering from stunted growth by children surveyed, and convert to a percentage	
Numerator	Child under five years suffering from stunted growth	92
Denominator	Child under five years surveyed	138
Factor	100	

Children under five years underweight (110)

Calculation	Divide children underweight by children weighed, and convert to a percentage	
Numerator	Child under five years underweight	93
Denominator	Child under five years surveyed	138
Factor	100	

Children under five years wasted (111)

Calculation	Divide children with wasting by children surveyed, and convert to a percentage	
Numerator	Child under five years with wasting	94
Denominator	Child under five years surveyed	138
Factor	100	

Children under five years severely underweight (112)

Calculation	Divide children severely underweight by children weighed, and convert to a percentage	
Numerator	Child under five years severely underweight	95
Denominator	Child under five years surveyed	138
Factor	100	

Children under five years Vitamin A deficient (113)

Calculation	Divide children with Vitamin A deficiency by children surveyed, and convert to a percentage	
Numerator	Child under five years Vitamin A deficient	96
Denominator	Child under five years surveyed	138
Factor	100	

Children under five years iron deficient (114)

Calculation	Divide children with iron deficiency by children surveyed, and convert to a percentage	
Numerator	Child under five years iron deficient	97
Denominator	Child under five years surveyed	138
Factor	100	

Children under five years iodine deficient (115)

Calculation	Divide children with iodine deficiency by children surveyed, and convert to a percentage	
Numerator	Child under five years iodine deficient	98
Denominator	Child under five years surveyed	138
Factor	100	

Infants at six months exclusively breast fed (116)

Calculation	Divide infants breast fed by infants surveyed, and convert to a percentage	
Numerator	Infant exclusively breast fed at six months	99
Denominator	Infants at six months surveyed	143
Factor	100	

Expenditure on hospital staff as percentage of total hospital expenditure (132)

Calculation	Divide expenditure on personnel in hospitals by total expenditure on hospitals and convert to a percent age	
Numerator	Expenditure on hospital personnel	149
Denominator	Expenditure on hospitals by provincial DOH	152
Factor	100	

Expenditure on drugs for hospital use as percentage of total hospital expenditure (133)

Calculation	Divide expenditure on drugs for hospital use by total expenditure on hospitals by provincial DOH and convert to a percent age	
Numerator	Expenditure on drugs	150
Denominator	Expenditure on hospitals by provincial DOH	152
Factor	100	

Expenditure on hospital maintenance as percentage of total hospital expenditure (134)

Calculation	Divide expenditure on maintenance by hospitals by total expenditure on hospitals and convert to a percent age	
Numerator	Expenditure on hospital maintenance	151
Denominator	Expenditure on hospitals by provincial DOH	152
Factor	100	

Usable beds per 1,000 people (135)

Calculation	Divide the sum of usable beds in the area by the total population and multiply by 1,000	
Numerator	Usable beds - total	7
Denominator	Population - total	2
Factor	1,000	

Expenditure on hospitals by the province per person (137)

Calculation	Sum expenditure on hospitals by the provincial DOH and DPW, and divide the sum by the total population and convert to a percentage	
Numerator	Expenditure on hospitals by DPW	339
Numerator	Expenditure on hospitals by provincial DOH	152
Denominator	Population - total	2
Factor	100	

Hospitals with operational hospital board (139)

Calculation	Divide the number of hospitals with an operational hospital board in place by the number of hospitals, and convert to a percentage	
Numerator	Hospital board in place	153
Denominator	Hospitals - total	148
Factor	100	

Hospitals with appointed (not acting) CEO in place (140)

Calculation	Divide the number of hospitals with an appointed CEO by the number of hospitals, and convert to a percentage	
Numerator	Manager/CEO appointed	30
Denominator	Hospitals - total	148
Factor	100	

Hospitals with business plan agreed with provincial health department (141)

Calculation	Divide the number of hospitals with a formal plan by the number of hospitals, and convert to a percentage	
Numerator	Business plan submitted and approved by agreed deadline	31
Denominator	Hospitals - total	148
Factor	100	

Hospitals with up to date asset register (142)

Calculation	Divide the number of hospitals with an up to date asset register by the number of hospitals, and convert to a percentage	
Numerator	Asset register in place	113
Denominator	Hospitals - total	148
Factor	100	

Maximum permitted value of procurement at discretion of hospital CEO without reference to provincial level (143)

Calculation	Sum the maximum permitted procurement values in each hospital, and divide by the number of hospitals to get an average maximum value	
Numerator	Maximum permitted procurement value	114
Denominator	Hospitals - total	148

Separations per 1,000 people (144)

Calculation	Divide total separations by the total population, and multiply by 1,000	
Numerator	Separation - total	115
Denominator	Population - total	2
Factor	1,000	

Patient day equivalents per 1,000 people (146)

Calculation	Divide OPD headcount by three, add to the number of patient days to get the PDE. Divide this by the total population and multiply by 1,000	
Numerator	OPD total headcount	116
Numerator	Patient day - total	117
Denominator	Population - total	2
Factor	1,000	

Patient fee income per separation (148)

Calculation	Divide total patient fee income by the number of separations	
Numerator	Patient fee income	118
Denominator	Separation - total	115

Hospitals in facility audit condition four or five (149)

Calculation	Count the number of hospitals with grading of four or five from the 1996 NHFA OR later provincial survey, divide by the number of hospitals, and convert to a percentage	
Numerator	NHFA condition grading - 1996	27
Numerator	Provincial audit grading	28
Denominator	Hospitals - total	148
Factor	100	

Hospitals with current patient satisfaction survey (150)

Calculation	Divide the number of hospitals that have conducted a patient satisfaction survey by the number of hospitals, and convert to a percentage	
Numerator	Patient satisfaction survey completed	119
Denominator	Hospitals - total	148
Factor	100	

Hospitals with designated official responsible for coordinating quality management (151)

Calculation	Divide the number of hospitals that have an official for quality management by the number of hospitals, and convert to a percentage	
Numerator	Quality management official in post	120
Denominator	Hospitals - total	148
Factor	100	

Hospitals with clinical audit meetings at least once a month (152)

Calculation	Divide the number of hospitals that have clinical audit meetings by the number of hospitals, and convert to a percentage	
Numerator	Clinical audit meeting	121
Denominator	Hospitals - total	148
Factor	100	

Length of stay (153)

Calculation	Divide the total number of patient days in hospitals by the number of separations	
Numerator	Patient day – total	117
Denominator	Separation – total	115

Bed utilization rate (based on usable beds) (154)

Calculation	Multiply usable beds by the number of days in the period, and divide the answer into the number of patient days in the period	
Numerator	Patient day - total	117
Denominator	Usable beds - total	7
Factor	365	

Expenditure per patient day equivalent (155)

Calculation	Divide OPD headcount by three, add to the number of Patient days to get the PDE. Divide this figure into the total hospital expenditure	
Numerator	Expenditure on hospitals by provincial DOH	152
Denominator	OPD total headcount	116
Denominator	Patient day - total	117

Case fatality rate for surgery separations (156)

Calculation	Divide the number of deaths in surgery by the number of separations in surgery, and convert to a percent age	
Numerator	Death - surgery	122
Denominator	Separation – surgery	123
Factor	100	

PMCT - HIV negative (173)

Calculation	Subtract antenatal client HIV positive - new, from HIV test done on antenatal client	
Numerator	Antenatal client HIV positive – new	41
Numerator	Antenatal client tested for HIV – new	42

Expenditure by DPW per person in constant prices (185)

Calculation	Divide expenditure on capital (in current prices) by the CPIX index, and divide by the total population (express in Rands)	
Numerator	Expenditure by DPW (including capital)	13
Denominator	CPIX index	18
Denominator	Population - total	2

Expenditure on equipment maintenance as percentage of health expenditure (187)

Calculation	Divide medical equipment maintenance expenditure (either by DOH or DPW) by total provincial DOH and DPW expenditure and convert to a percentage	
Numerator	Expenditure on medical equipment maintenance	23
Denominator	Expenditure by DPW (including capital)	13
Denominator	Expenditure by provincial DOH	15
Factor	100	

Maternal mortality rate (188)

Calculation	Divide the number of maternal deaths by the female population between 15 and 49 years of age, and multiply by 1,000	
Numerator	Maternal death	182
Denominator	Female population 15-49 years of age	196
Factor	1,000	

Infant mortality rate (189)

Calculation	Divide the number of infant deaths by the number of births in the year, and multiply by 1,000	
Numerator	Infant death	183
Denominator	Live birth	230
Factor	1,000	

Clients receiving home-based care (190)

Calculation	Divide the number of clients receiving home-based care by the total number eligible to receive home-based care, and convert to a percentage	
Numerator	Client receiving home-based care	194
Denominator	Client eligible to receive home-based care	312
Factor	100	

Inflation rate (192)

Calculation	Annual percentage increase in the CPIX index	
Numerator	CPIX index	18
Denominator	CPIX index	18
Factor	100	

Population - annual growth rate (193)

Calculation	Divide the population in a specific year by the population in the previous year and identify the annual percentage change	
Numerator	Population - total	2
Denominator	Population - total	2
Factor	100	

Transport costs per kilometre (197)

Calculation	Divide expenditure on transport by the number of kilometres travelled, and express in Rands per kilometre	
Numerator	Expenditure on transport by cost category	204
Denominator	Transport kilometre - total	201

PHC nurse - facility headcount workload (199)

Calculation	Divide total PHC headcount by the number of nurses employed in PHC facilities	
Numerator	PHC total head count	33
Denominator	Nurse employed	206

Patients attending PHC referred to doctor (200)

Calculation	Divide the number of patients attending PHC referred to doctor by the total PHC headcount, and convert to a percentage	
Numerator	Patient attending PHC referred to doctor	207
Denominator	PHC total headcount	33
Factor	100	

Measles cases per 1,000 population (201)

Calculation	Divide the number of measles cases by the total population, and multiply by 1,000	
Numerator	Measles case	40
Denominator	Population - total	2
Factor	1,000	

Expenditure on PHC per person – total (202)

Calculation	Sum the expenditure on PHC by the province and expenditure on PHC by municipalities, and divide the sum by total population	
Numerator	Transfer to municipalities and NGOs	17
Numerator	Expenditure on PHC personnel by municipalities	211
Numerator	Expenditure on DHS by DPW	310
Numerator	Expenditure on PHC by provincial DOH	208
Denominator	Population - total	2

Expenditure on PHC personnel per person – total (203)

Calculation	Sum the expenditure on PHC personnel by the province and expenditure on PHC personnel by municipalities, and divide the sum by total population	
Numerator	Expenditure on PHC personnel by provincial DOH	210
Numerator	Expenditure on PHC personnel by municipalities	211
Denominator	Population - total	2

Expenditure on PHC per PHC headcount – total (204)

Calculation	Sum the expenditure on PHC by the province and expenditure on PHC by municipalities, and divide the sum by total PHC headcount in all PHC facilities	
Numerator	Expenditure on PHC by municipalities	334
Numerator	Transfer to municipalities and NGOs	17
Numerator	Expenditure on PHC by provincial DOH	208
Numerator	Expenditure on DHS by DPW	310
Denominator	PHC total headcount	33

Smear positive PTB caseload – total (206)

Calculation	Sum new and retreatment caseloads for smear positive patients	
Numerator	Smear positive PTB caseload - new	62
Numerator	Smear positive PTB caseload - retreatment	71

Under five mortality rate (230)

Calculation	Divide the number of deaths before age five by the number of births in the year, and	
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	multiply by 1,000	
Numerator	Under five death	238
Denominator	Population - under five years	90
Factor	1,000	

Teenage pregnancy (279)

Calculation	Divide the number of births to teenage mothers by the total number of births, and convert to a percent age	
Numerator	Birth - mother under 20 years	300
Denominator	Live birth	230
Denominator	Still birth	301
Factor	100	

Population per square kilometre (284)

Calculation	Divide the population in the health area by the number of square kilometres in the same area	
Numerator	Population – total	2
Denominator	Square kilometres	305

Visiting points per mobile clinic (285)

Calculation	Divide the total number of visiting points by the number of mobile clinics	
Numerator	Visiting point	160
Denominator	Mobile clinic	306

Kilometres per vehicle (286)

Calculation	Divide the number of kilometres travelled by the number of vehicles	
Numerator	Kilometres travelled by vehicle fleet	308
Denominator	Vehicle	327

Cost per kilometre travelled by vehicle (287)

Calculation	Divide the total expenditure on vehicles by the number of kilometres travelled, to get an indicator expressed in Rands per kilometre travelled	
Numerator	Expenditure on vehicles	309
Denominator	Kilometres travelled by vehicle fleet	308

Expenditure on PHC in constant prices – total (288)

Calculation	Sum expenditure on the PHC programme by the provincial DOH (including transfers) and by municipalities from their own budgets, and convert to constant prices by dividing by the CPIX index	
Numerator	Expenditure on DHS by DPW	310
Numerator	Expenditure on PHC by provincial DOH	208
Numerator	Expenditure on DHS programme by municipalities	174
Numerator	Transfer to municipalities and NGOs	17
Denominator	CPIX index	18

Expenditure on PHC in constant prices per person – total (289)

Calculation	Sum expenditure on the PHC programme by the provincial DOH (including transfers) and by municipalities from their own budgets, and convert to constant prices by dividing by the CPIX index. Divide by the resident population.	
Numerator	Transfer to municipalities and NGOs	17
Numerator	Expenditure on DHS by DPW	310
Numerator	Expenditure on PHC by provincial DOH	208
Numerator	Expenditure on DHS programme by municipalities	174
Denominator	CPIX index	18
Denominator	Population - total	2

PHC facilities without HIV/AIDS, STI or TB drugs (291)

Calculation	Divide the number of PHC facilities without HIV/AIDS, STI or TB drugs by the total number of PHC facilities, and convert to a percentage	
Numerator	PHC facility - without HIV/AIDS, STI, TB drugs	313
Denominator	PHC facility	168
Factor	100	

PHC facility visits per headcount (292)

Calculation	Divide the total number of visits (or services provided) at PHC facilities by the total headcount	
Numerator	PHC facility visit	319
Denominator	PHC total headcount	33

PHC visit – total (293)

Calculation	Sum PHC facility visits, PHC community visits and PHC visit equivalents (patient days multiplied by three)	
Numerator	PHC facility visit	319
Numerator	PHC community visit	320
Numerator	Patient day – total	117
Factor	3 (apply to patient days only)	

PHC visits per service day (294)

Calculation	Sum of PHC facility visits, PHC community visits and PHC visit equivalents (patient days multiplied by three), and divide the sum by number of service days	
Numerator	Patient day - total	117
Numerator	PHC facility visit	319
Numerator	PHC community visit	320
Denominator	Service day	321
Factor	3 (apply to patient days only)	

PHC professional nurse - daily visit workload (295)

Calculation	Sum PHC facility visits, PHC community visits and PHC visit equivalents (patient days multiplied by three), and divide the sum by the number of professional nurses employed	
Numerator	Patient day - total	117
Numerator	PHC facility visit	319
Numerator	PHC community visit	320
Denominator	Professional nurse employed	205
Factor	3 (apply to patient days only)	

PHC visit equivalents (296)

Calculation	Multiply the number of patient days by three (3)	
Numerator	Patient day - total	117
Factor	3	

Low birth weight rate (297)

Calculation	Divide the number of low birth weight live births by the total number of live births, and convert to a percentage	
Numerator	Live birth under 2500g	322
Denominator	Live birth	230
Factor	100	

Cause-specific death rate (298)

Calculation	Divide deaths from a specific cause by the population, and multiply by 1,000	
Numerator	Death	246
Denominator	Population - total	2
Factor	1,000	

Employed staff - approved as percentage of required (300)

Calculation	The number of staff approved by category, divided by the number required by category, converted to a percentage	
Numerator	Employed by category - approved	329
Denominator	Employed by category - required	328
Factor	100	

Employed staff - actual as percentage of required (301)

Calculation	The number of staff actually in post (filled) by category, divided by the number required by category, converted to a percentage	
Numerator	Employed by category - filled	9
Denominator	Employed by category - required	328
Factor	100	

Expenditure on DHS by the provincial DOH per person in constant prices (303)

Calculation	Divide expenditure on DHS by provincial DOH by the total population. Divide by the CPIX	
Numerator	Expenditure on DHS programme by provincial DOH	217
Denominator	Population - total	2
Denominator	CPIX index	18

Expenditure on DHS by DPW per person in constant prices (304)

Calculation	Divide expenditure on DHS by DPW by the total population. Divide by the CPIX	
Numerator	Expenditure on DHS by DPW	310
Denominator	Population - total	2
Denominator	CPIX index	18

Expenditure on DHS by municipalities per person in constant prices (305)

Calculation	Divide expenditure on DHS by municipalities by the total population. Divide by the CPIX	
Numerator	Expenditure on DHS programme by municipalities	174
Denominator	CPIX index	18
Denominator	Population - total	2

Expenditure on DHS – total (306)

Calculation	Add provincial, DPW and municipality expenditure on DHS together	
Numerator	Expenditure on DHS by DPW	310
Numerator	Expenditure on DHS programme by provincial DOH	217
Numerator	Expenditure on DHS programme by municipalities	174

Expenditure on DHS in constant prices – total (307)

Calculation	Add provincial, DPW and municipality expenditure on DHS together. Divide by the CPIX index	
Numerator	Expenditure on DHS programme by provincial DOH	217
Numerator	Expenditure on DHS by DPW	310
Numerator	Expenditure on DHS programme by municipalities	174
Denominator	CPIX index	18

Expenditure on DHS per person in constant prices – total (309)

Calculation	Add provincial, DPW and municipality expenditure on DHS together. Divide by the CPIX index and by the total population	
Numerator	Expenditure on DHS programme by municipalities	174
Numerator	Expenditure on DHS programme by provincial DOH	217
Numerator	Expenditure on DHS by DPW	310
Denominator	CPIX index	18
Denominator	Population - total	2

Expenditure on therapeutic drug group as percentage of total drug expenditure (310)

Calculation	Divide expenditure on drugs in a specific therapeutic group by total drugs expenditure, and convert to a percentage	
Numerator	Expenditure on drugs by therapeutic group	187
Denominator	Expenditure on drugs	150
Factor	100	

Expenditure on individual drug as percentage of total drug expenditure (311)

Calculation	Divide expenditure on an individual drug by total drugs expenditure, and convert to a percentage	
Numerator	Expenditure on drugs by individual drug	197
Denominator	Expenditure on drugs	150
Factor	100	

Expenditure on PHC by provincial DOH per person (312)

Calculation	Expenditure on the PHC programme by the provincial DOH, divided by the resident population	
Numerator	Transfer to municipalities and NGOs	17
Numerator	Expenditure on PHC by provincial DOH	208
Denominator	Population - total	2

Hospital PHC headcount as percentage of OPD headcount (313)

Calculation	Divide the PHC headcount in the hospital's OPD by total OPD headcount in the hospital, and convert to a percentage	
Numerator	OPD - PHC headcount	314
Denominator	OPD total headcount	116
Factor	100	

HIV prevalence rate (315)

Calculation	Estimated number of residents to be HIV positive, divided by the appropriate population group. Multiply by 1,000	
Numerator	HIV positive population estimate	344
Denominator	Population - by age and gender	296
Factor	1,000	