



health

Department:
Health
REPUBLIC OF SOUTH AFRICA

Health Summit: Kwazulu-Natal Department of Health

Presentation by: Milani Wolmarans
Director Planning

Content of Presentation

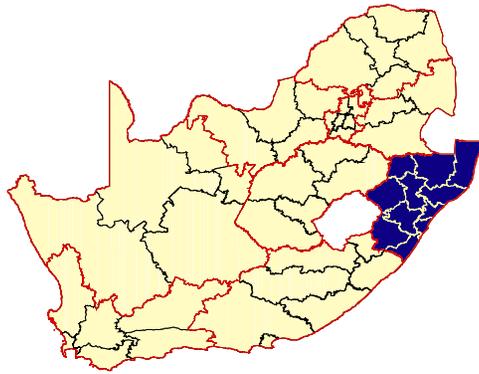
- Data mapping and presentation of provincial profile
- District scoring and ranking
- Public Health facilities Audit
- Health Service Delivery

Data Mapping for Provincial and Profiles

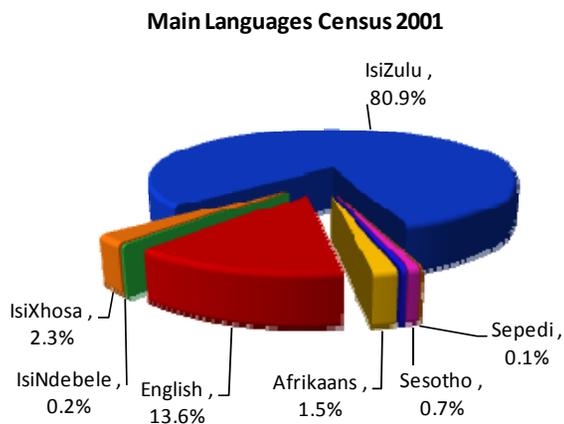
- Data has been collected to develop profiles of health districts, for selection and prioritization for piloting
- Following dimension have been applied:
 - Demographic
 - Socio-economic
 - Epidemiology/ Health Status
 - Service delivery
 - Performance
- Data from all 52 health districts has been analyzed and preliminary ranking of districts based on these dimensions have been completed

KWAZULU NATAL PROVINCIAL PROFILE

KWAZULU-NATAL PROVINCE



Demographic Data	
Geographical area	87,153.2 Km2
Total Population (Midyear 2011 DHIS)	10,622,204
Population density (Midyear 2011)	121.9/Km2
Percentage of population with medical insurance (General Household Survey 2007)	11.8%



Demographic Information

Age Household Head

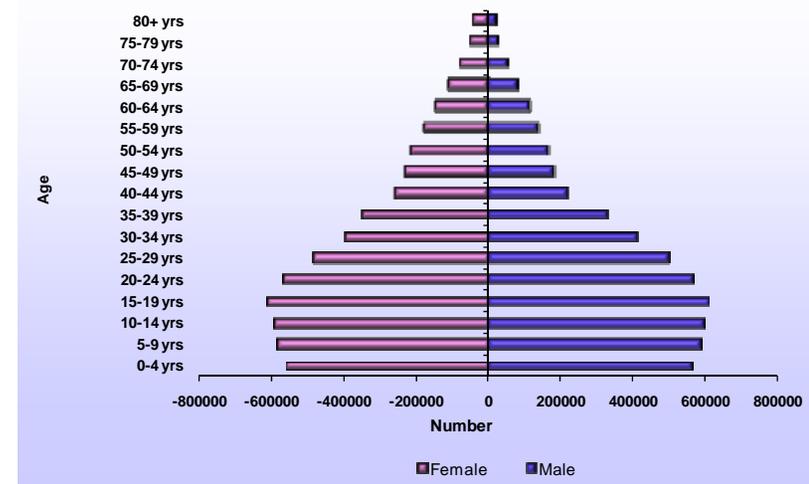
19 Years and younger	20-24 Years	25-39 Years	40-64 Years	65 Years and older
1.4%	4.5%	27.9%	49.9%	16.2%

Race Household Head

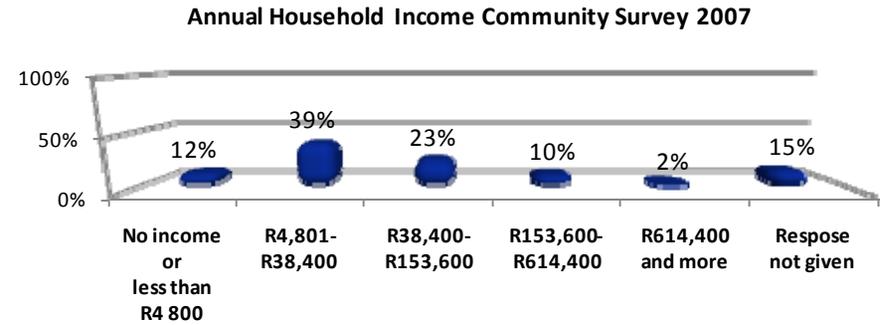
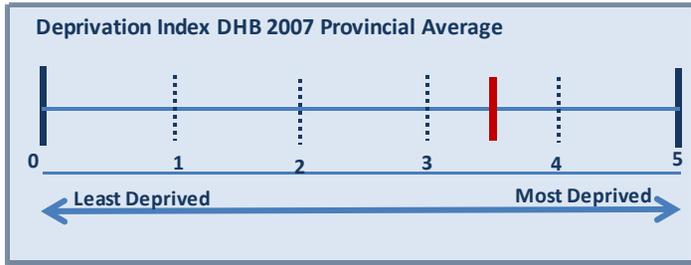
Black	Coloured	Indian or Asian	White	Female	Male
82%	2%	9%	7%	45.4%	54.6%

Gender Household Head

Mid-Year Population 2011



Social Determinants of Health

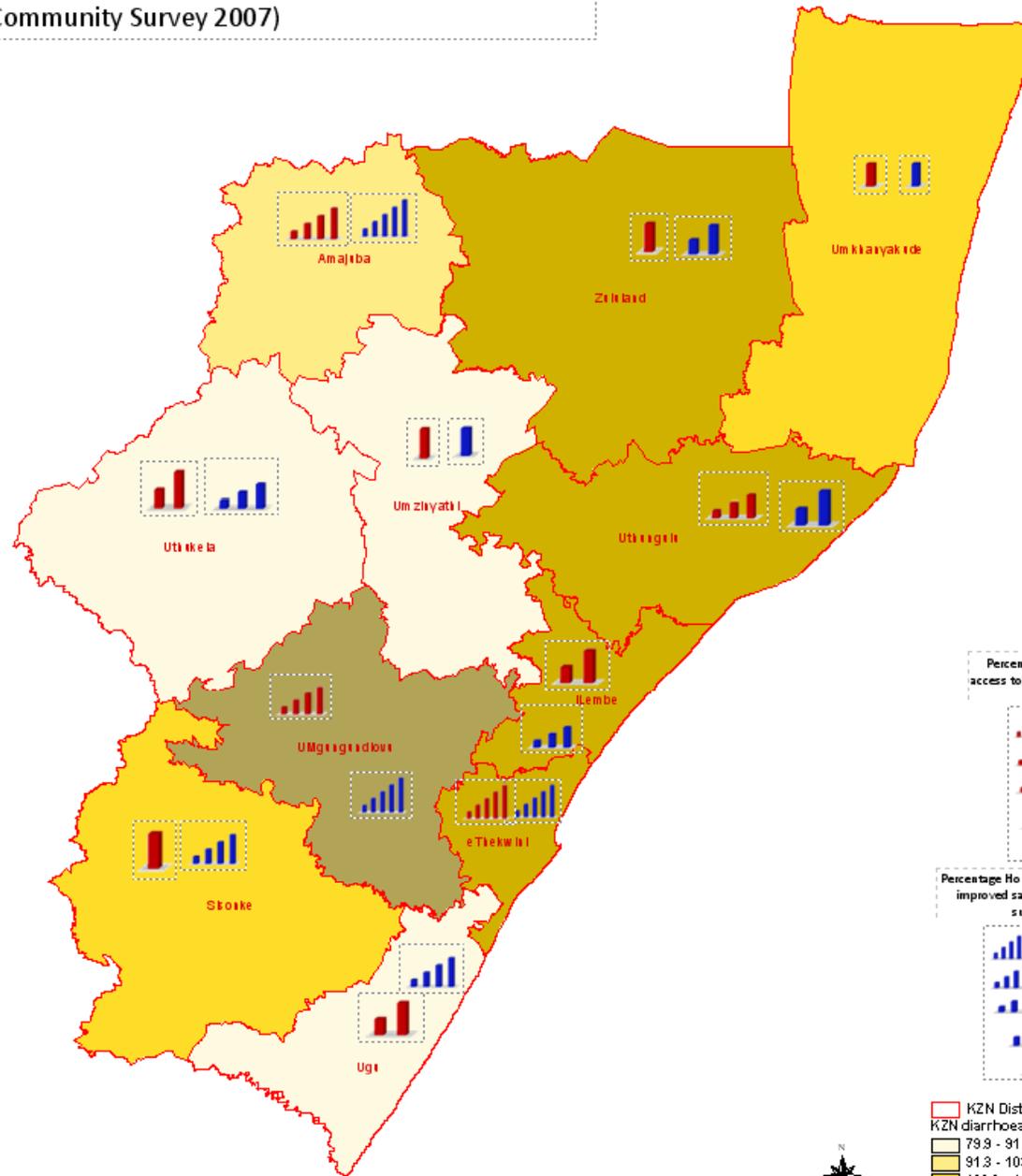


Indicator	Census 2001	Community Survey 2007
Percentage unemployed	26.5%	20.6%
Percentage traditional and informal dwelling, shacks and squatter settlement	36.7%	42.3%
Percentage households without access to improved sanitation	17.1%	10.9%
Percentage households without Access to Piped Water	26.0%	20.7%
Percentage households without access to electricity for lighting	37.8%	28.6%
Percentage households without refuse removal by local authority/private company	49.6%	48.1%

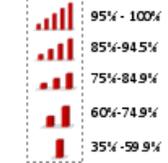


DEPARTMENT OF HEALTH
Republic of South Africa

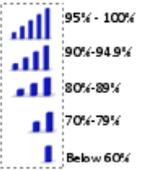
KZN: Diarrhoea Incidence Rate 2010/11 (DHIS) Compared with Percentage Households with Access to Piped Water and Improved Sanitation (Community Survey 2007)



Percentage Households with access to piped water Community survey 2007



Percentage Households with access to improved sanitation Community survey 2007



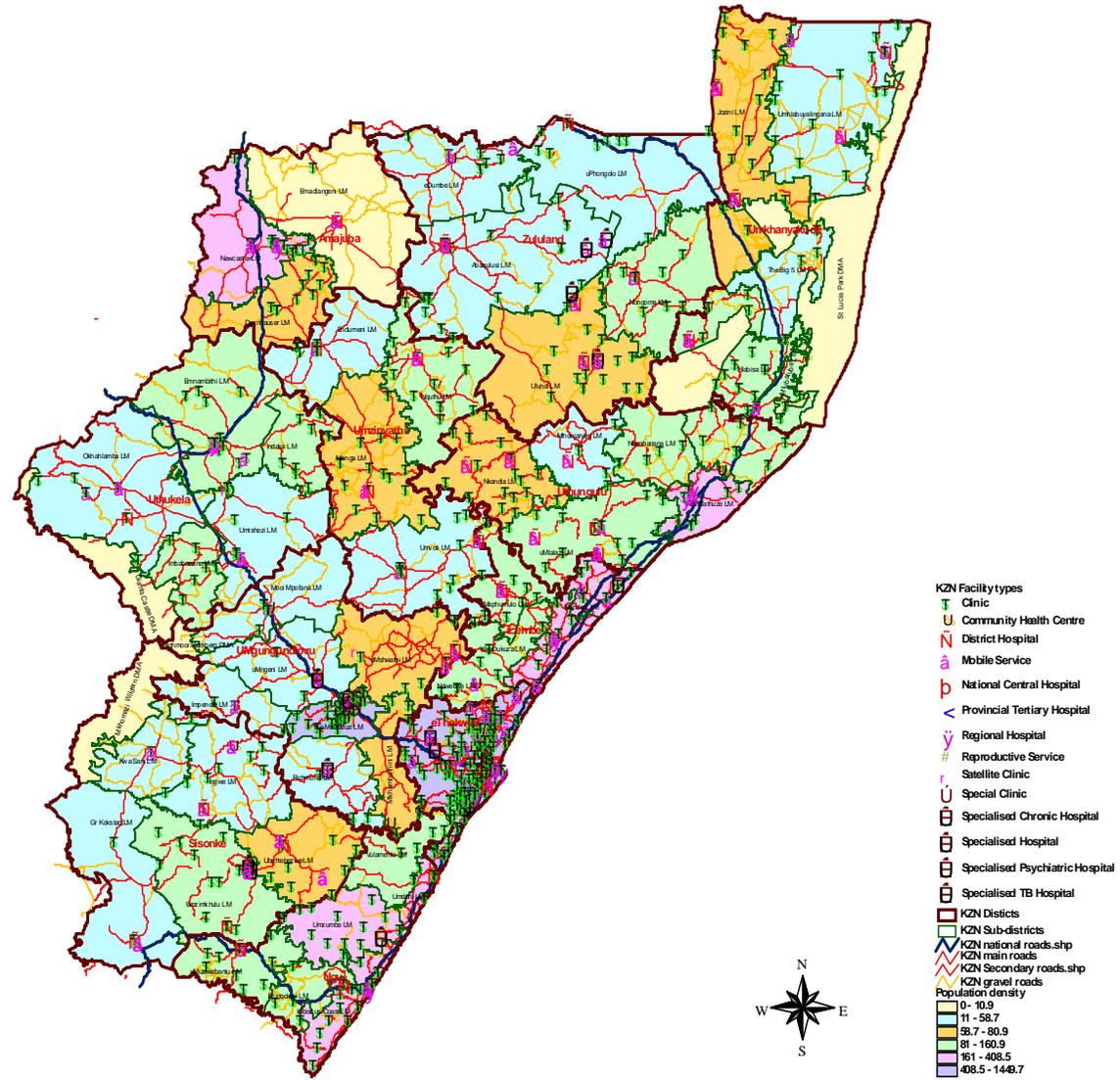
KZN District boundaries
 KZN diarrhoea incidence 2010_11.shp
 79.9 - 91.3
 91.3 - 103.8
 103.8 - 117.2
 117.2 - 139.7
 139.7 - 147.6



Supported and funded by:

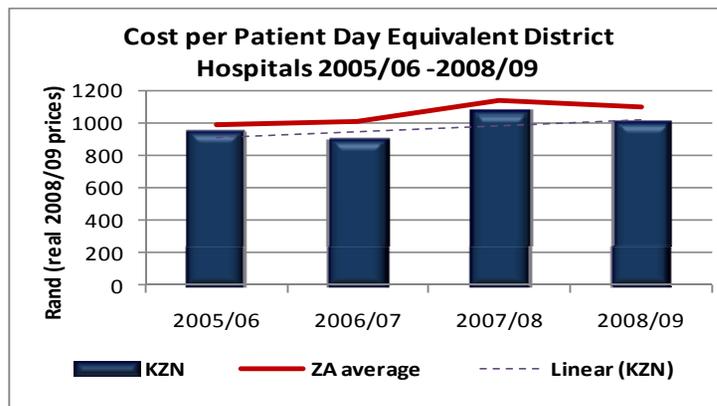
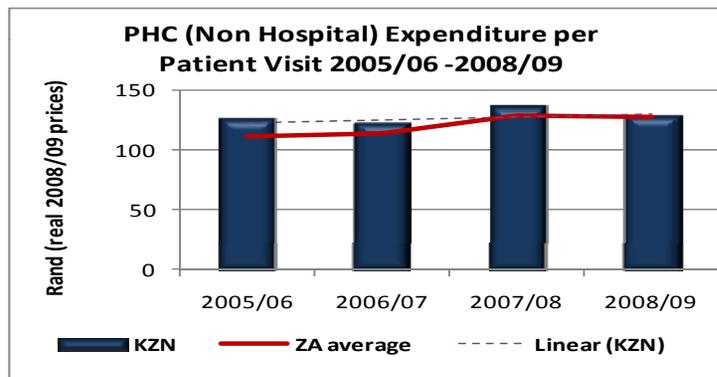
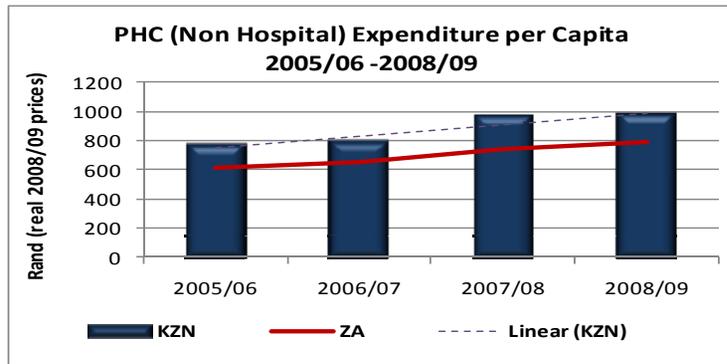


Facilities

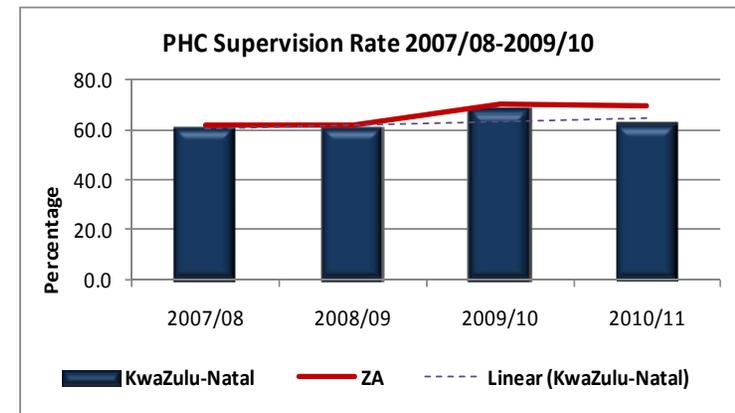
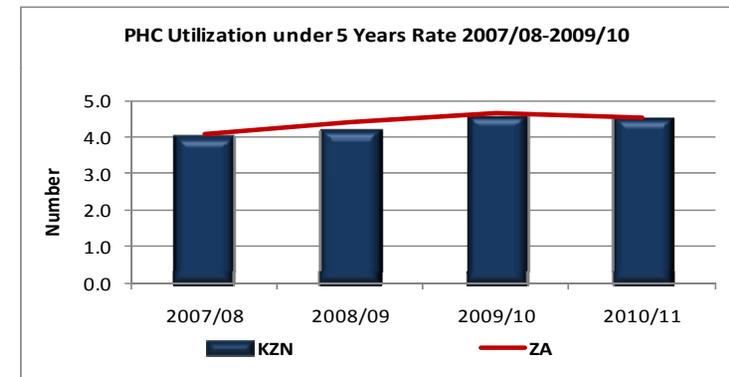
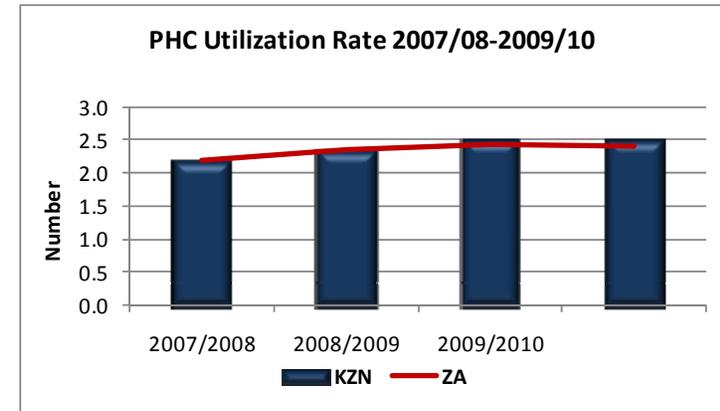


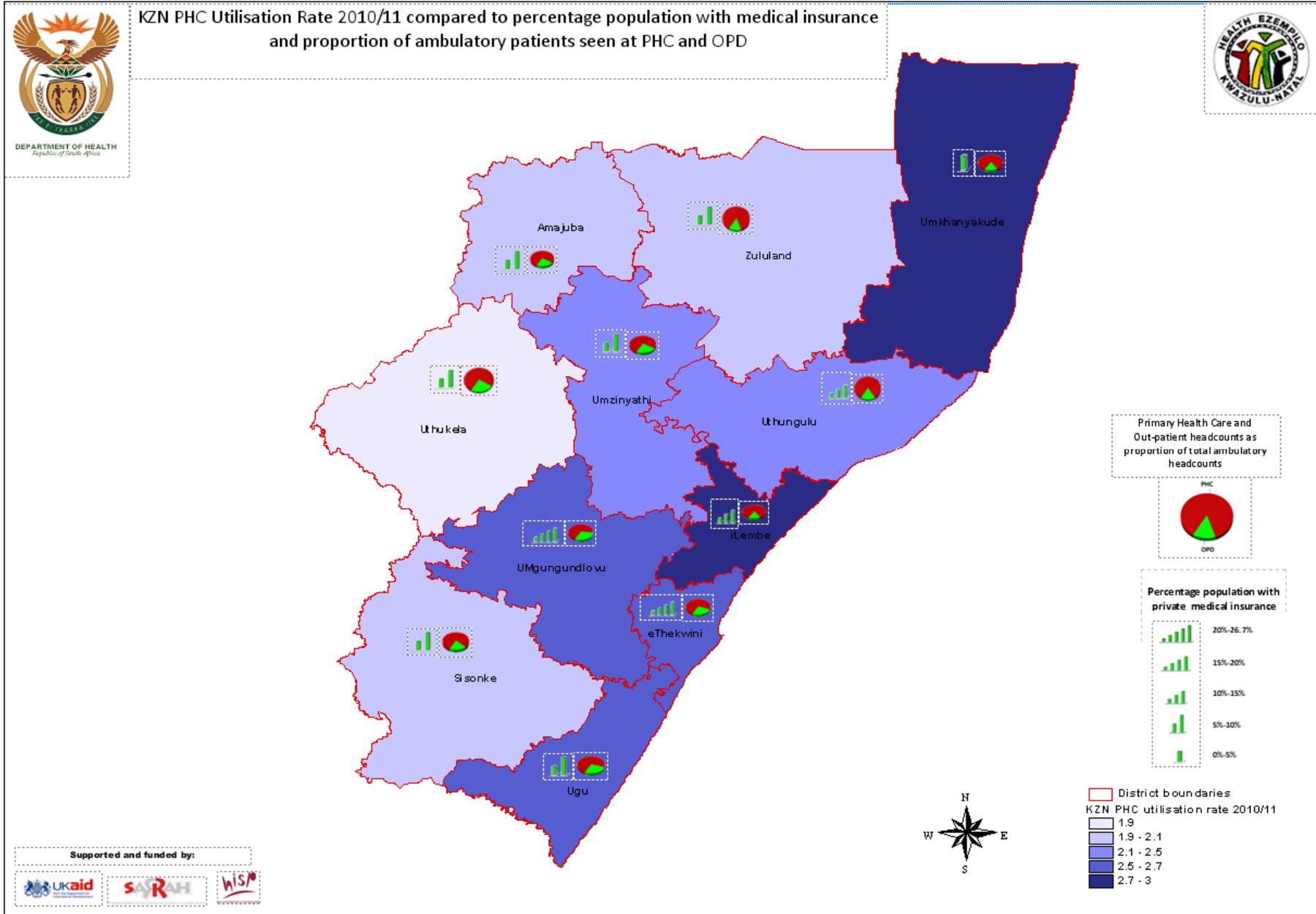
Service Delivery

Trend of Public Health Expenditure



Trend of Health Services Delivery



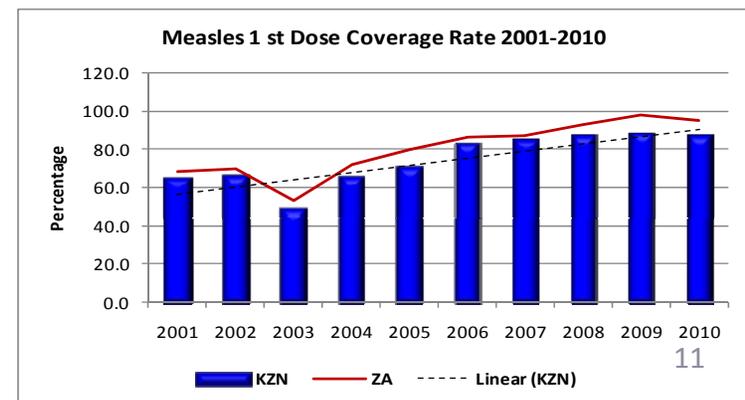
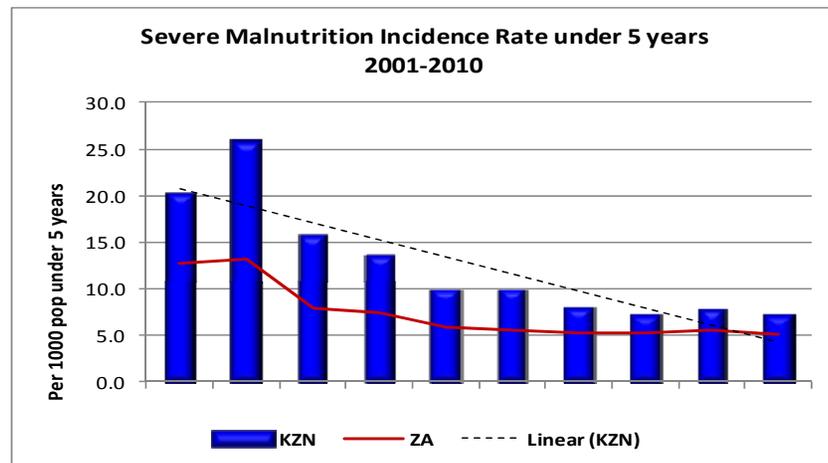
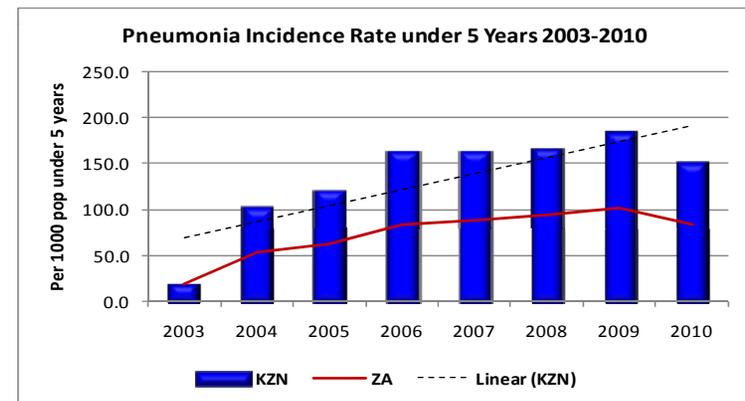
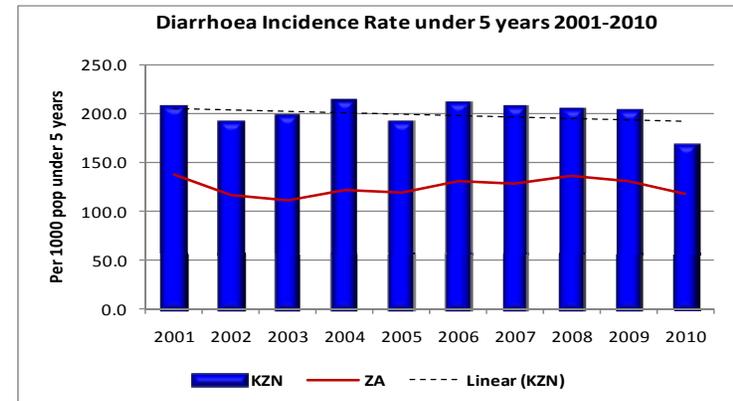
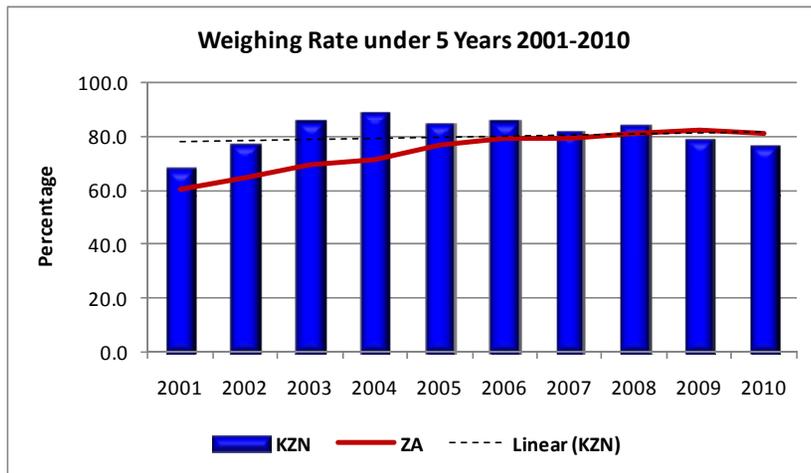


Poster with PHC utilisation rate background map, pie graphs illustrating what proportion of ambulatory patients are seen at OPD (should ideally be 7-10% if patients are not “bypassing” clinics to go straight to hospitals with minor ailments) and bar graphs illustrating percentage of population with medical insurance. Where medical insurance is low and proportion of ambulatory headcounts seen at OPD is not too high (e.g. UMkhanyakude) the PHC utilisation should be higher. Distribution of facilities and district cross boundary utilisation of facilities might also influence PHC utilisation rate.

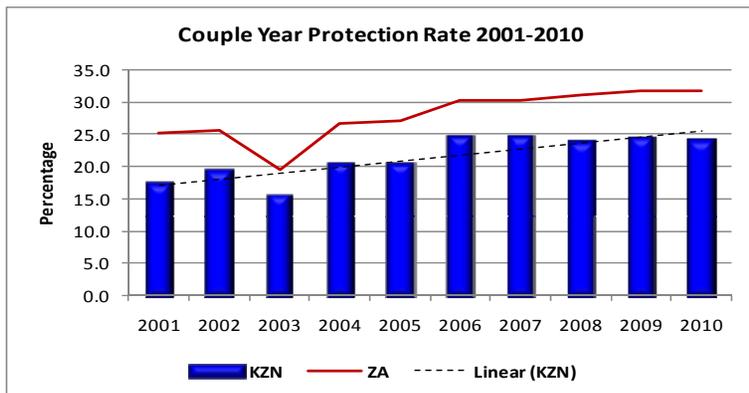
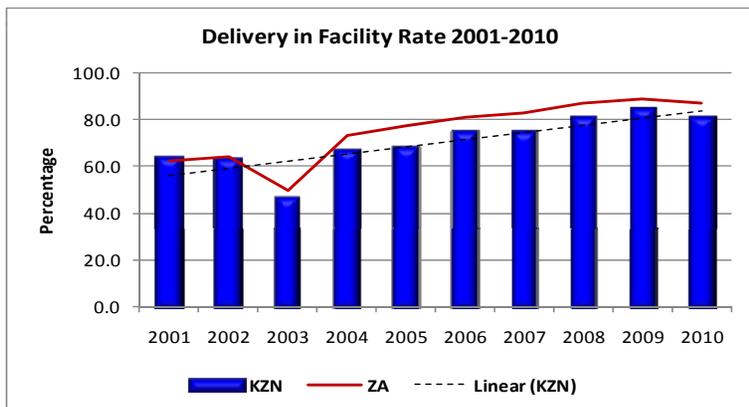
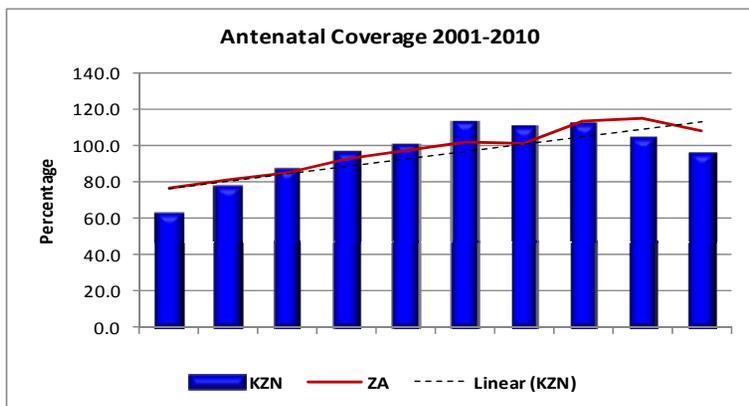
Millennium Development Goals

MDG 1: Eradicate extreme poverty and hunger

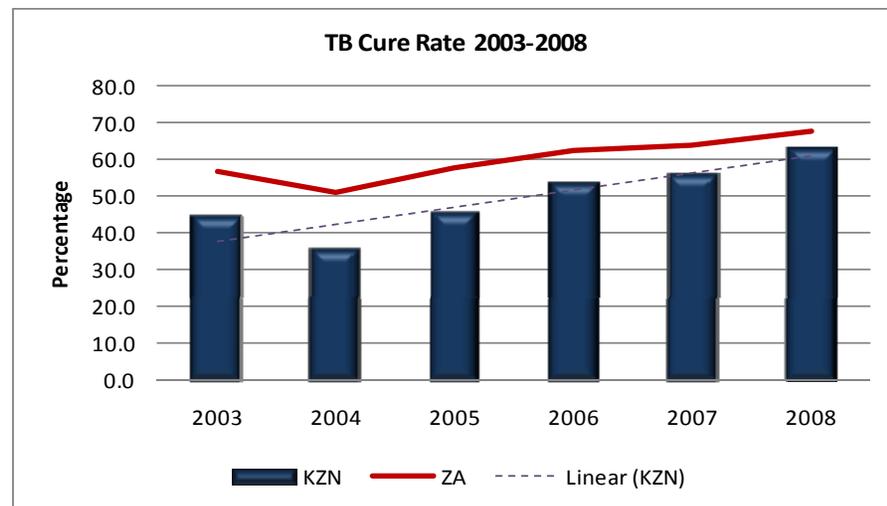
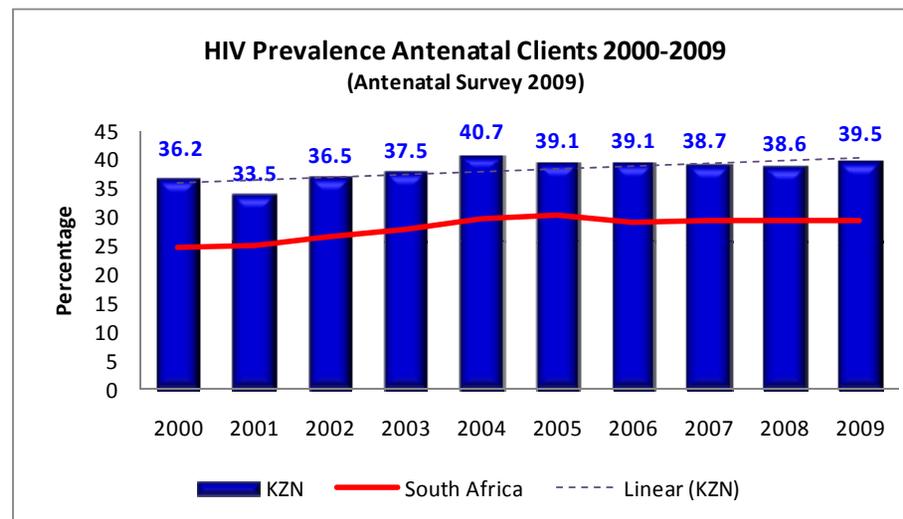
MDG 4: Reduce child mortality



MDG 5: Improve maternal health



MDG 6: Combat HIV/AIDS, malaria, and other disease



Hospital Performance

District Hospitals

District	Hospital	Usable bed utilisation rate				Average length of stay				Caesarean section rate				Perinatal mortality rate			
		2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11
Amajuba	Niemeyer Mem Hosp	47.0	52.7	51.1	52.8	3.6	3.5	3.1	2.8	0.0	0.0	0.0	11.1	17.3	18.6	29.6	17.3
Amajuba Total		47.0	52.7	51.1	52.8	3.6	3.5	3.1	2.8	0.0	0.0	0.0	11.1	17.3	18.6	29.6	17.3
eThekweni	McCords Hosp	54.9	48.0	68.6	36.8	3.5	3.4	2.7	2.1	36.2	40.1	44.9	57.9	15.2	15.0	13.4	14.2
	Osindisweni Hosp	71.8	69.4	60.3	76.3	8.7	7.0	4.9	5.7	29.7	28.4	30.9	30.2	52.5	34.7	35.3	33.6
	St Mary's Hosp (Mar)	101.3	104.9	92.5	112.5	3.8	3.7	3.4	3.2	29.2	28.9	34.2	35.3	28.0	29.7	21.2	26.1
	Wentworth Hosp	63.2	69.4	44.3	36.5	5.4	4.9	3.8	3.7	0.0	0.0	0.0	0.0	7.8	5.9	4.7	10.9
eThekweni Total		72.6	73.0	63.0	57.9	5.0	4.5	3.7	3.6	28.4	28.2	32.6	35.0	30.1	27.0	22.5	25.1
iLembe	Montebello Hosp	65.5	57.3	44.4	93.5	8.1	6.6	4.8	6.7	19.2	20.1	39.9	34.3	36.6	10.6	78.7	43.1
	Umphumulo Hosp	61.0	66.1	75.0	78.0	6.9	6.9	5.2	5.8	8.9	10.6	10.4	23.4	39.0	25.9	33.4	23.1
	Untunjambili Hosp	59.7	62.6	66.0	61.6	7.3	5.5	4.5	4.5	17.1	26.1	16.4	22.3	32.6	38.1	37.9	28.1
iLembe Total		61.7	62.5	63.0	74.5	7.3	6.3	4.9	5.5	14.9	18.1	21.9	28.3	36.3	24.3	49.0	31.5
Sisonke	Christ the King Hosp	62.0	58.4	69.4	72.6	5.2	4.7	4.1	4.5	22.0	20.5	30.9	32.6	33.3	30.9	30.1	19.2
	EG Usher Mem Hosp	58.7	62.3	63.9	56.2	4.9	5.2	4.4	4.1	21.1	22.0	23.8	26.6	22.4	25.6	32.4	37.6
	Rietvlei Hosp	52.2	49.3	71.3	64.2	7.6	6.5	5.4	5.1	15.3	16.6	16.3	18.0	75.5	34.2	35.6	32.1
	St Apollinaris Hosp	61.1	63.4	73.3	72.5	5.1	4.9	4.5	4.7	25.7	24.7	26.8	27.6	28.4	27.7	23.0	24.8
Sisonke Total		58.2	58.0	69.1	65.9	5.5	5.2	4.6	4.6	21.2	20.9	24.8	26.2	36.0	29.7	30.3	28.0

District Hospitals continue

District	Hospital	Usable bed utilisation rate				Average length of stay				Caesarean section rate				Perinatal mortality rate			
		2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11
Ugu	GJ Crooke's Hosp	75.2	74.3	74.0	71.3	4.8	4.8	4.4	4.6	27.4	34.8	50.3	52.8	19.9	16.6	28.5	18.2
	Murchison Hosp	69.8	71.2	70.3	77.5	6.8	6.6	5.2	5.9	19.7	25.4	23.4	38.7	29.1	27.1	24.3	28.8
	St Andrew's Hosp	59.6	68.6	81.2	73.4	5.6	5.7	5.3	5.0	24.2	31.6	28.1	65.8	32.0	27.9	26.2	31.2
Ugu Total		68.7	71.6	74.3	74.2	5.6	5.6	4.9	5.2	24.3	31.3	37.6	51.3	25.7	22.4	26.6	25.1
uMgungundlovu	Appelsbosch Hosp	46.3	51.6	55.9	61.2	6.8	6.1	5.2	5.2	23.9	24.1	29.0	28.0	22.7	30.6	33.3	20.1
	Northdale Hosp	73.8	75.2	79.7	83.3	4.4	4.5	4.3	4.5	25.2	26.0	36.5	30.9	18.6	14.5	18.6	23.5
uMgungundlovu Total		66.3	69.5	73.6	77.6	4.8	4.7	4.4	4.6	25.0	25.8	35.6	30.4	19.3	16.8	20.7	23.0
Umkhanyakude	Bethesda Hosp	64.3	66.7	69.5	59.1	5.7	5.7	5.2	5.0	20.4	26.4	23.7	16.3	28.8	29.7	34.2	24.1
	Hlabisa Hosp	71.3	59.1	64.5	60.6	7.2	6.3	4.0	4.5	19.7	19.4	22.3	23.4	30.1	26.2	27.3	28.1
	Manguzi Hosp	65.8	72.4	73.7	67.9	7.3	7.4	5.7	5.6	18.1	17.7	28.5	28.2	19.2	22.9	25.9	23.5
	Mosvold Hosp	76.1	108.5	57.1	52.8	9.0	9.9	6.2	4.8	14.2	16.7	17.0	29.1	9.5	21.6	18.8	16.0
	Mseleni Hosp	71.5	69.8	74.4	64.2	5.4	5.4	4.8	4.4	14.7	16.1	18.8	19.3	31.3	37.6	30.0	29.3
Umkhanyakude Total		69.7	72.9	67.7	61.1	6.8	6.8	5.0	4.9	17.8	19.0	22.3	23.1	24.5	27.1	26.9	24.5
Umzinyathi	C Johnson Mem Hosp	60.3	57.9	58.3	48.0	6.3	6.1	4.8	4.4	12.7	16.8	24.0	26.0	36.4	28.6	36.9	20.5
	Church of Scotland Hosp	70.0	66.9	65.0	62.6	7.7	6.9	5.5	5.5	17.0	20.7	16.6	25.9	14.9	18.1	25.1	18.1
	Dundee Hosp	58.3	60.5	60.4	57.8	4.4	4.1	3.5	3.4	16.6	15.9	18.1	20.4	27.4	26.1	18.2	16.2
	Greytown Hosp	65.3	72.3	70.2	53.9	5.2	5.7	4.7	4.5	16.6	21.8	23.3	20.8	27.3	12.9	31.5	28.1
Umzinyathi Total		63.8	63.8	62.8	55.4	6.0	5.7	4.6	4.5	15.4	18.7	20.7	23.8	26.6	22.2	28.9	20.0

District Hospitals continue

District	Hospital	Usable bed utilisation rate				Average length of stay				Caesarean section rate				Perinatal mortality rate			
		2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11
Uthukela	Emmaus Hosp	51.0	58.9	73.0	65.1	4.1	4.3	4.2	4.1	16.3	16.7	19.4	20.7	36.8	50.8	51.5	58.6
	Estcourt Hosp	59.0	53.3	64.8	62.7	4.8	4.0	4.2	4.3	24.5	25.1	31.9	31.3	31.0	31.8	39.3	45.9
Uthukela Total		56.2	55.8	67.6	63.5	4.5	4.2	4.2	4.2	21.3	21.9	26.5	27.4	33.2	39.0	44.4	51.0
Uthungulu	C Booth Hosp	61.6	47.4	45.9	46.6	7.0	3.5	3.9	4.1	24.8	19.7	21.3	24.2	34.7	32.5	24.7	46.4
	Ekhombe Hosp	32.4	37.4	51.3	43.8	6.2	6.1	5.2	5.3	9.3	21.3	16.3	19.9	28.5	27.4	41.9	41.5
	Eshowe Hosp	53.6	59.8	59.6	74.9	6.1	5.7	4.8	4.7	27.7	25.6	33.2	42.1	15.8	22.6	15.3	14.4
	KwaMagwaza Hosp	59.2	58.8	88.9	69.7	6.3	6.0	5.4	5.8	20.5	20.4	32.6	35.2	26.3	15.8	25.4	18.0
	Mbongolwane Hosp	57.4	43.5	45.7	53.9	10.2	7.6	6.5	6.7	10.0	11.4	18.6	15.7	27.7	57.4	34.2	51.3
	Nkandla Hosp	47.2	46.1	47.3	49.1	7.2	6.4	4.6	4.7	26.5	19.4	22.1	27.4	41.3	28.8	37.0	31.6
Uthungulu Total		52.1	51.3	55.3	58.7	6.8	5.6	4.9	5.0	22.7	21.7	28.0	33.5	25.4	26.0	25.8	26.1
Zululand	Benedictine Hosp	47.6	45.3	53.9	67.1	6.2	5.7	4.1	5.8	13.7	14.6	13.9	13.8	25.4	18.2	28.6	28.7
	Ceza Hosp	42.8	47.6	54.8	50.3	7.8	7.2	5.7	5.2	18.5	19.2	26.0	27.5	21.3	27.1	30.5	19.3
	Itshelejuba Hosp	60.0	56.1	73.4	75.1	4.8	4.4	4.6	4.7	14.4	13.8	21.0	26.1	21.4	14.9	43.9	22.8
	Nkonjeni Hosp	51.3	47.9	53.4	243.4	7.8	5.2	4.4	5.7	22.0	22.5	32.9	24.9	19.9	14.5	43.4	33.0
	Vryheid Hosp	65.3	72.7	70.7	69.0	4.2	4.1	4.1	4.2	22.3	25.2	31.5	38.8	32.9	42.8	40.3	37.9
Zululand Total		53.6	54.4	60.6	75.5	5.5	5.0	4.4	5.0	18.3	19.1	25.1	26.8	26.1	24.9	37.4	30.0
KZN Province Totals		61.7	62.7	64.5	64.7	5.7	5.4	4.5	4.6	20.9	22.4	27.2	29.4	27.4	25.5	29.8	27.0
ZA average		65.0	67.5	67.5	65.4	4.5	4.1	4.1	4.1	15.5	18.6	18.6	19.3	30.9	31.1	31.1	31.0
ZA target		70.0	70.0	70.0	75.0	4.2	4.2	4.2	3.5	12.5	12.5	12.5	15.0	30.0	30.0	30.0	30.0

Regional Hospitals

Regional Hospital	Usable Bed Utilisation Rate				Average Length of Stay				Caesarean Section Rate				Perinatal Mortality Rate			
	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11
Addington Hosp	84.6	85.7	80.4	47.1	4.6	4.5	4.0	3.5	27.6	29.0	29.4	27.4	16.7	17.1	18.8	19.3
Edendale Hosp	71.9	76.3	95.1	66.9	4.9	4.4	4.6	4.8	40.3	32.7	49.2	40.1	22.8	14.0	28.1	32.4
King Edward VIII Hosp	63.5	65.7	61.1	49.2	5.5	5.1	4.1	4.0	47.8	49.4	52.0	56.0	66.8	44.1	40.4	45.8
L Umfolozi War Mem Hosp	82.9	80.6	72.2	74.8	3.7	3.7	3.3	3.3	33.3	37.1	44.2	50.3	40.8	39.5	49.2	42.7
Ladysmith Hosp	68.2	69.6	66.7	55.9	4.2	4.3	3.7	3.2	20.0	19.9	19.0	21.0	38.5	25.1	31.8	33.8
M Gandhi Hosp	72.6	88.6	88.3	77.9	4.8	4.7	4.3	4.5	34.6	32.9	38.7	38.5	33.5	39.2	43.1	42.5
Madadeni Hosp	42.4	45.3	53.1	48.8	8.1	7.5	5.5	5.1	14.1	15.4	17.7	21.6	36.9	53.1	37.8	8.6
Newcastle Hosp	54.7	61.0	62.1	66.4	2.9	2.8	3.1	3.7	33.0	32.3	33.6	35.1	26.1	20.4	37.5	30.0
Ngwelezana Hosp	71.8	61.0	73.1	87.0	8.0	6.7	6.2	6.8								
P Shepstone Hosp	85.2	79.6	79.4	78.7	6.3	5.9	4.9	4.4	35.9	39.8	51.4	46.2	42.3	42.2	55.1	43.5
Prince Mshiyeni Hosp	65.9	72.8	72.5	69.7	4.1	4.5	4.9	4.4	32.4	32.4	33.7	37.0	32.2	31.9	33.3	35.1
RK Khan Hosp	75.9	84.8	82.9	92.2	4.3	5.2	4.1	3.3	32.6	32.6	44.3	55.9	41.7	42.8	47.5	59.0
St Aidans Hosp	38.0	39.4	22.2	17.2	5.8	5.1	3.1	2.6								
Stanger Hosp	74.3	77.8	79.1	74.9	5.3	5.2	4.8	4.9	29.6	27.9	26.1	20.1	36.3	39.8	49.0	50.5
KZN	66.8	70.0	71.9	62.9	4.9	4.8	4.4	4.2	32.0	32.4	38.0	38.9	36.1	33.8	38.1	37.1
ZA average	72.2	74.3	75.3	70.6	4.6	4.6	4.4	4.4	27.6	29.3	31.9	33.6	39.8	39.2	41.5	42.3
ZA target	75.0	75.0	75.0	75.0	4.8	4.8	4.8	4.8	22.0	22.0	22.0	25.0	30.0	30.0	30.0	30.0

Tertiary Hospital

Tertiary Hospital	Usable Bed Utilisation Rate				Average Length of Stay				Caesarean Section Rate				Perinatal Mortality Rate			
	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11
Grey's Hosp	74.4	71.1	69.3	75.1	10.3	9.0	7.1	7.1	61.2	62.3	69.4	64.9	58.8	71.2	62.7	94.0
ZA	71.1	74.6	73.6	74.3	5.5	5.4	5.4	5.7	29.6	33.1	38.8	42.6	57.5	58.5	50.6	57.7
ZA target	75.0	75.0	75.0	75.0	6.8	6.8	6.8	5.5	32.0	32.0	32.0	30.0	30.0	30.0	30.0	30.0

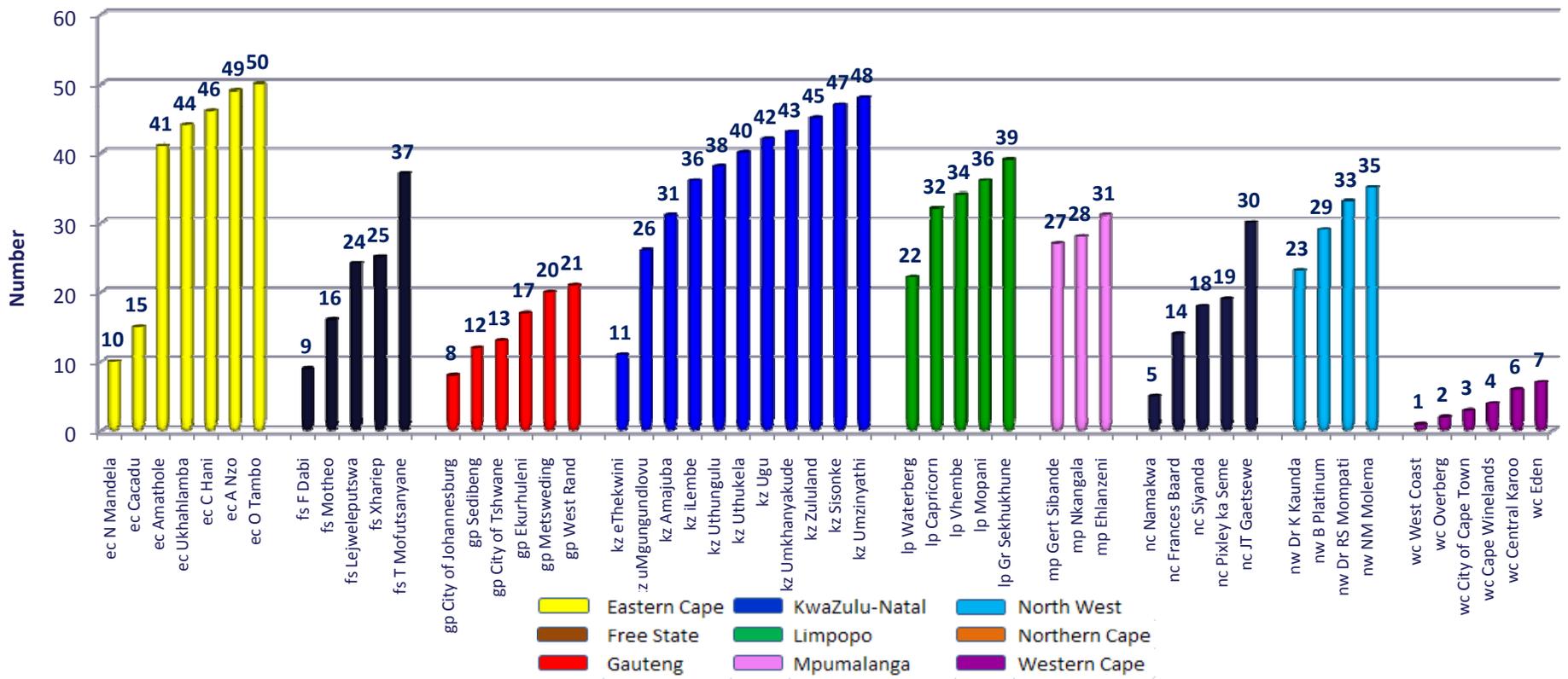
National Central Hospital

Central Hospital	Usable Bed Utilisation Rate				Average Length of Stay				Caesarean Section Rate				Perinatal Mortality Rate			
	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11	2007/08	2008/09	2009/10	2010/11
A Luthuli Hosp	49.3	63.9	67.8	68.0	11.3	8.0	6.4	6.3	77.6	79.5	73.8	70.5			174.4	135.3
ZA average	71.3	74.8	76.6	72.1	5.8	5.8	5.7	5.6	35.1	37.9	39.6	41.1	49.3	54.2	57.7	54.4
ZA target	75.0	75.0	75.0	75.0	6.8	6.8	6.8	5.5	32.0	32.0	32.0	50.0	30.0	30.0	30.0	30.0

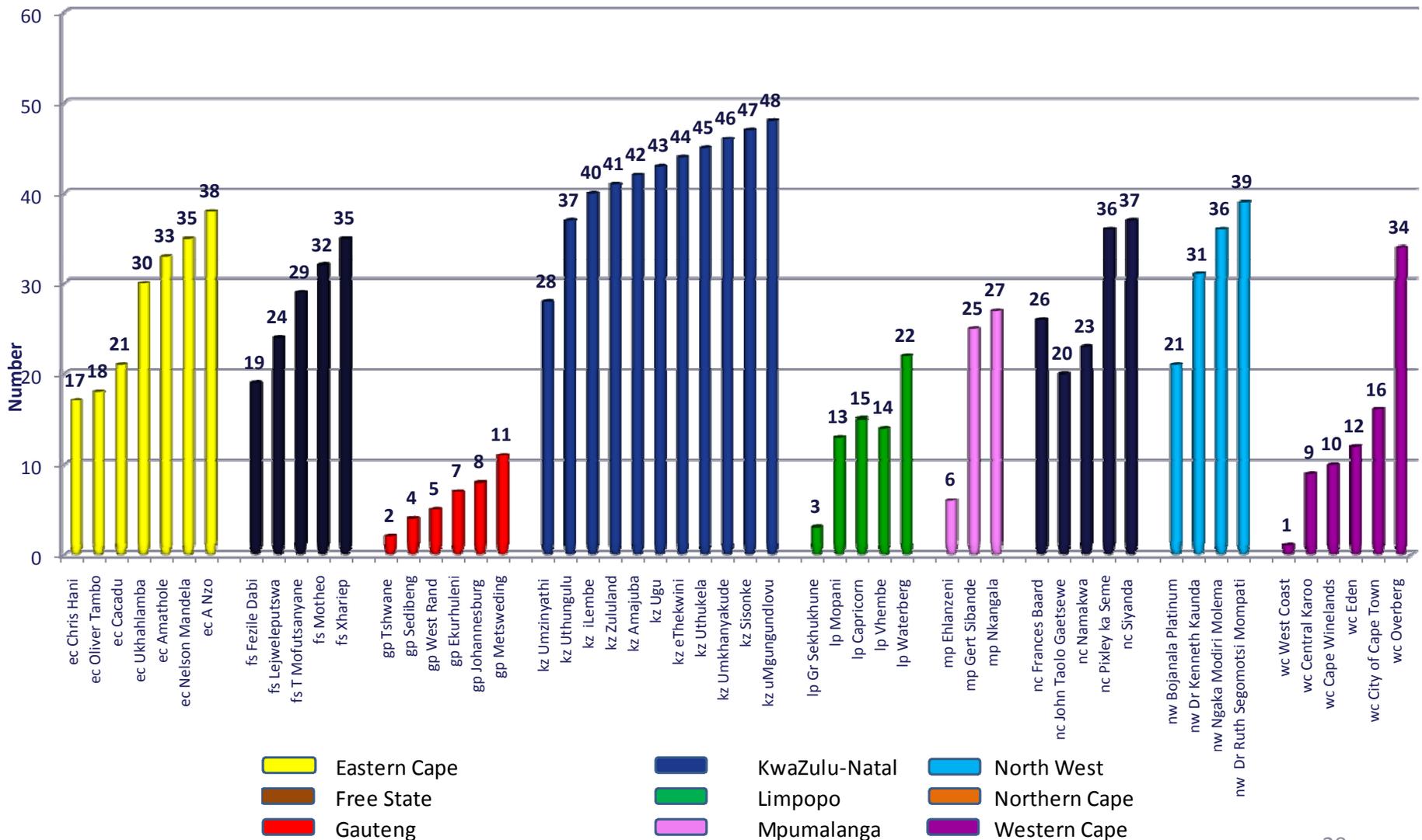
DISTRICT PROFILE SUMMARIES

- ❑ District profiles (similar to provincial profile above) have been developed for each district
- ❑ Districts were ranked from best to worst performing for the 26 selected indicators in three categories:
 - ❑ Socio-economic
 - ❑ Service delivery, expenditure and utilisation
 - ❑ Health outcomes (MDG proxy)
- ❑ A score from 1-52 were given where 1 is best performing district and 52 the worst for each indicator.
- ❑ Totals for each district were added for each category and districts were ranked from best to worst performing in province and in SA.
- ❑ This allows districts and provinces to evaluate their performance across all 52 districts in each category as well as the performance in their province

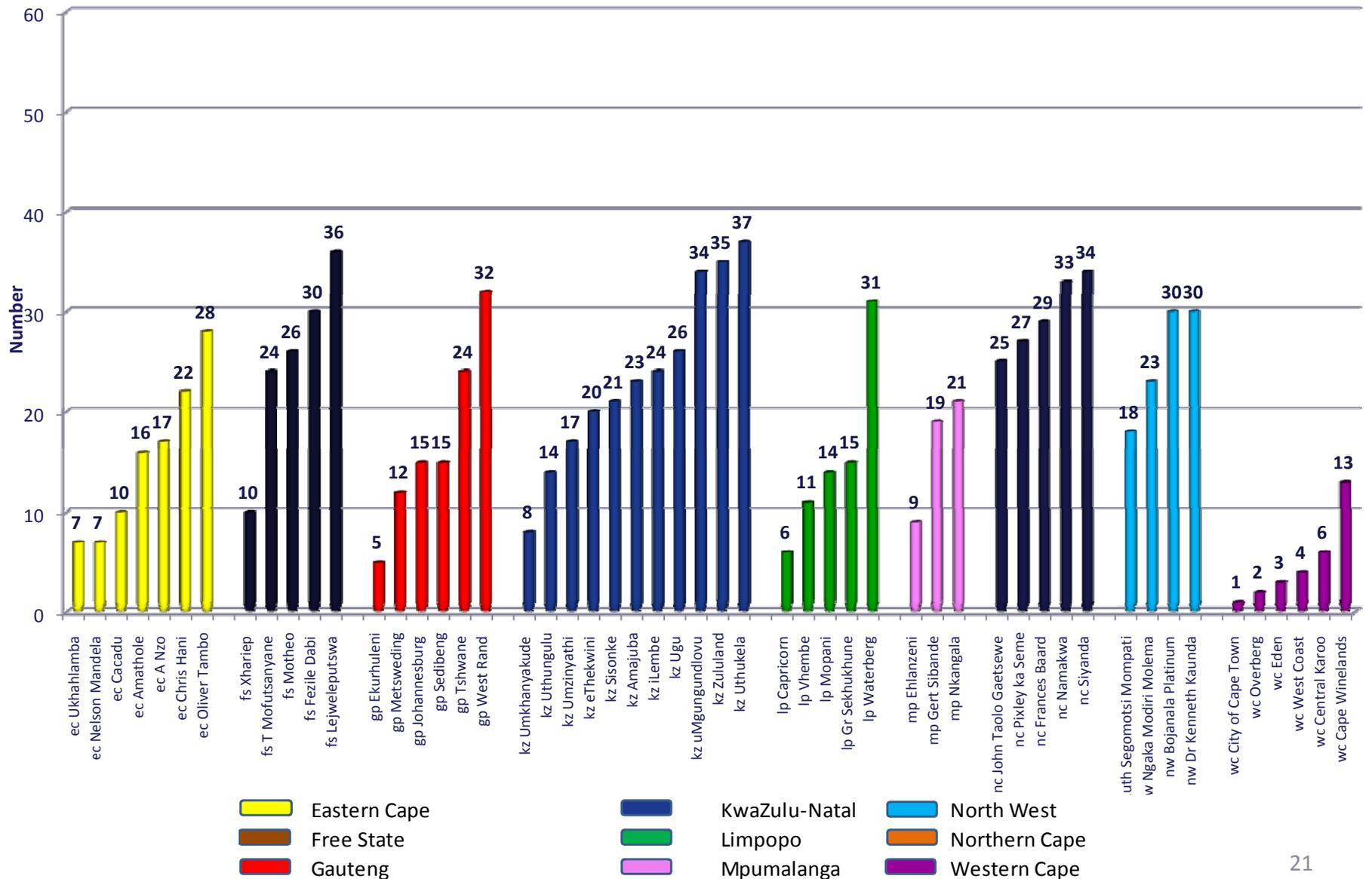
Socio-Economic Indicators: Ranking per province and number ranking across all 52 districts



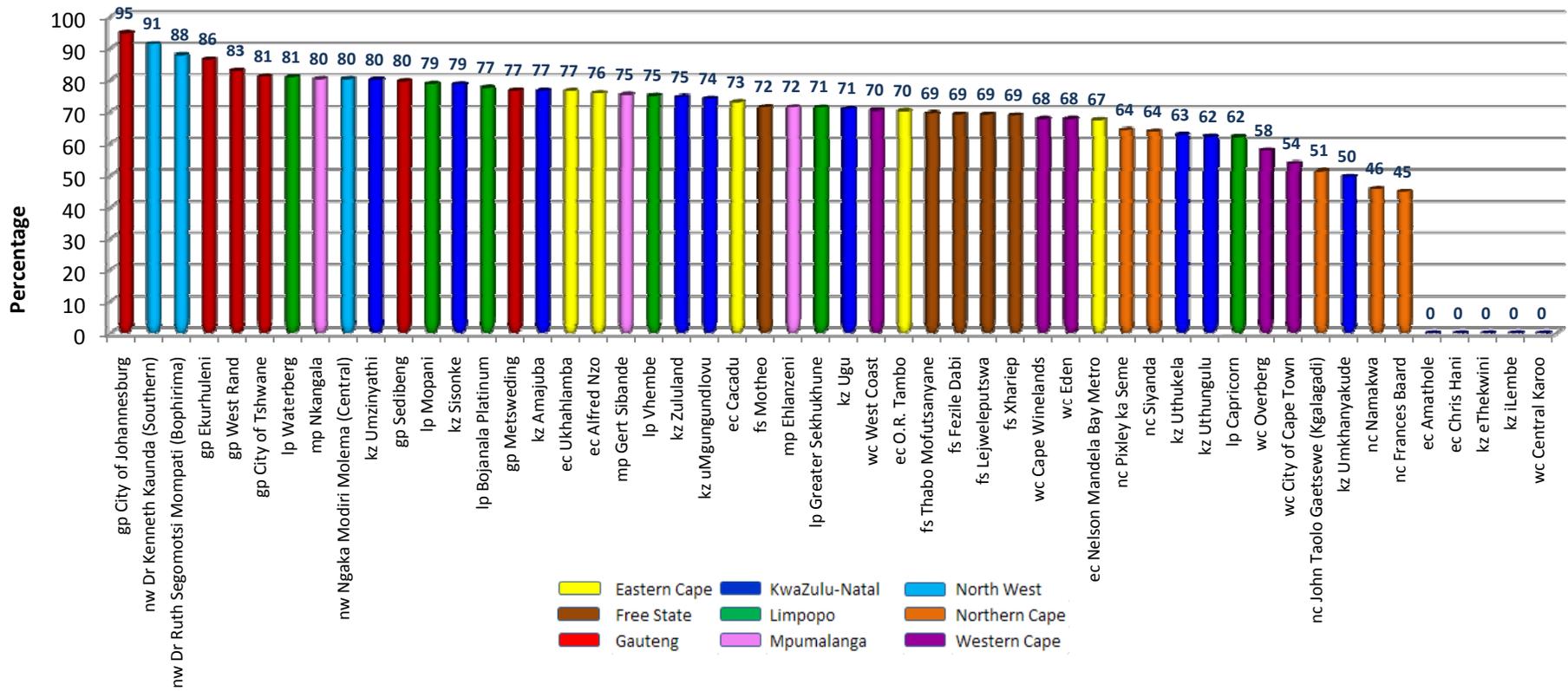
Health Outcome Indicators: Ranking per province and number ranking across all 52 districts



Health Service, Utilisation and Expenditure Indicators: Ranking per province and number ranking across all 52 districts



Preliminary District management functionality self assessment results



District Health Expenditure Reviews

- The process for completing structure District Health Expenditures started in June 2011 and will be completed by the end of October 2011
 - The information will present a clearer picture of funding, distribution and use of health resources in the District and the Province
 - The DHER is used as a diagnosis tool to assess to what extent allocation (budget) and use of resources (expenditure) advance the district/ province objectives of:
 - Access
 - Quality
 - Efficiency
 - Equity
 - Sustainability

Public Health Facility Audit

Audit Scope

- To conduct an INDEPENDANT audit of all public health facilities;
 - Infrastructure
 - Equipment
 - HR
 - Finance management
 - Services provided
 - Quality of care (sub-set of Core Standards)
- A baseline for improvement plan

Methodology

- Direct observations
- Physical assessments
- Records reviews
- Patient interviews
- Staff interviews

Six Priority Areas of Quality

- Availability of medicine and supplies
 - Stock control and –management
 - Availability of tracer medicines
 - Prescribing practices
 - Storage
 - Patient and staff interviews
- Cleanliness
 - Patient Satisfaction results
 - Inspect records of daily inspections of cleanliness
 - Cleaning procedures
 - Toilets, Bathrooms, kitchens, laundry, grounds

Six Priority Areas of Quality (cont)

- **Improved patient safety**
 - Physical safety measures
 - Emergency services response times
 - Packages of services
 - Management of adverse events, clinical audits
- **Infection prevention and control**
 - Surveillance and reporting systems
 - Health care associated infections
 - Waste management
 - Management of infectious diseases

Six Priority Areas of Quality (cont)

- **Positive and caring attitudes**
 - Patient perceptions of service
 - Patient knowledge of their rights and responsibilities
 - Complaints management system
 - Observation of staff interactions with patients
 - Privacy
 - Staff satisfaction
- **Waiting times**
 - Management, monitoring, action
 - Patients with special needs
 - Physical layout of facility

Public Health Facilities

Province	PHC	District Hospital	Regional Hospital	Specialised Hospital	Tertiary Hospital	Central Hospital	Total
EC	808	45	2	18	6	1	880
FS	280	25	5	4	1	1	316
GP	421	10	12	6	0	4	453
KZN	591	37	12	18	2	1	661
LP	463	31	5	3	2	0	504
MP	305	23	3	5	2	0	338
NC	212	18	2	3	0	0	235
NW	363	18	4	2	0	0	387
WC	282	34	5	11	1	3	436
TOTAL	3825	241	50	70	14	10	4210

Summary of Completion rate end of August 2011

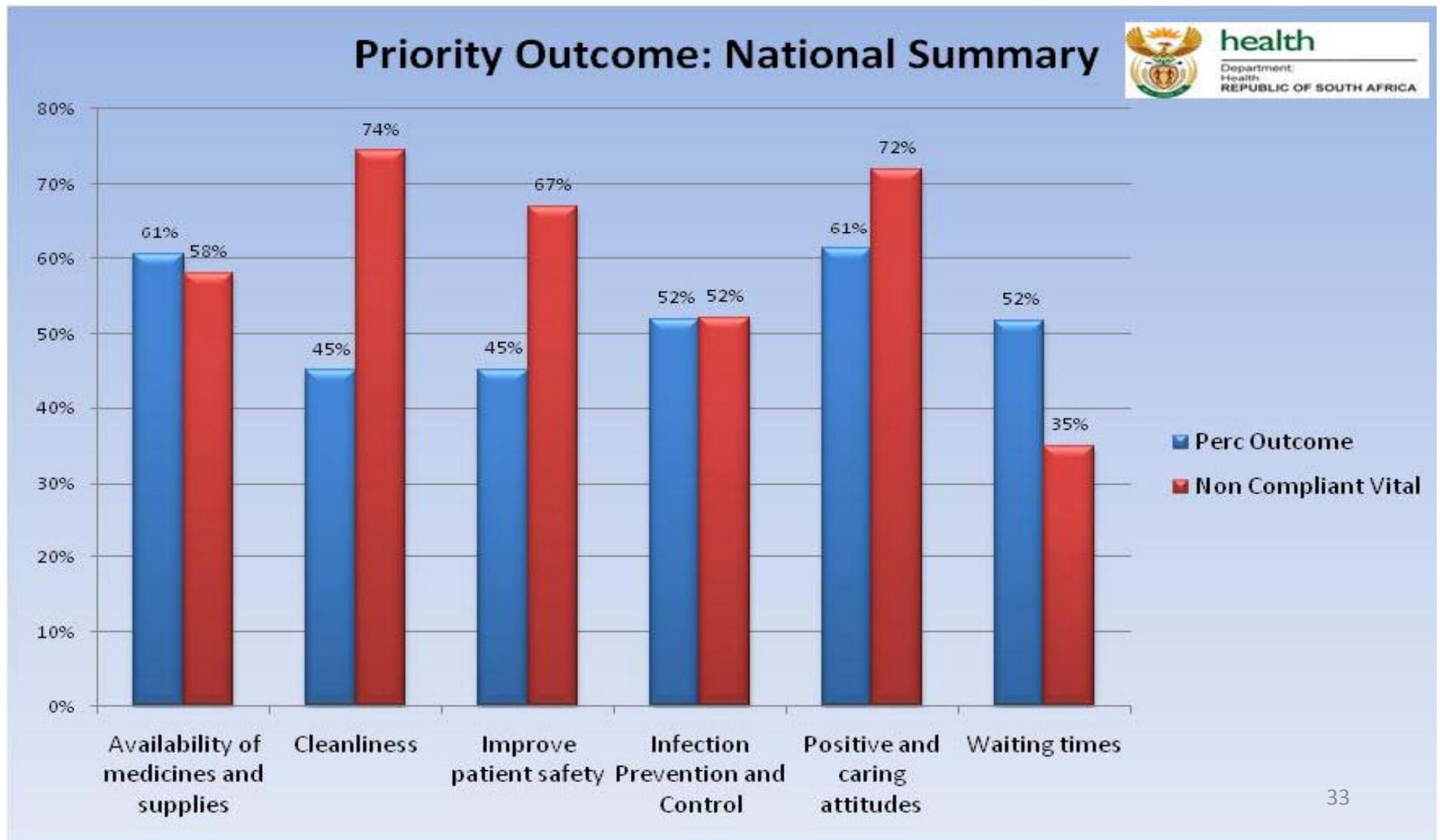
	Hosp	CHC	Clinic	Prov Total	Tot Fac	% Completed at the end of August
EC	29	10	242	281	880	32%
FS	16	6	136	158	312	51%
GP	16	17	132	165	453	36%
KZN	23	2	247	272	662	41%
LP	14	7	166	187	504	37%
MP	16	20	104	140	338	41%
NW	11	28	140	179	387	46%
NC	23	35	157	215	235	91%
WC	13	6	59	78	439	18%
Total	161	131	1383	1675	4210	40%

Facility Audit Progress

At the end of August the facilities Audit in the following districts were complete.

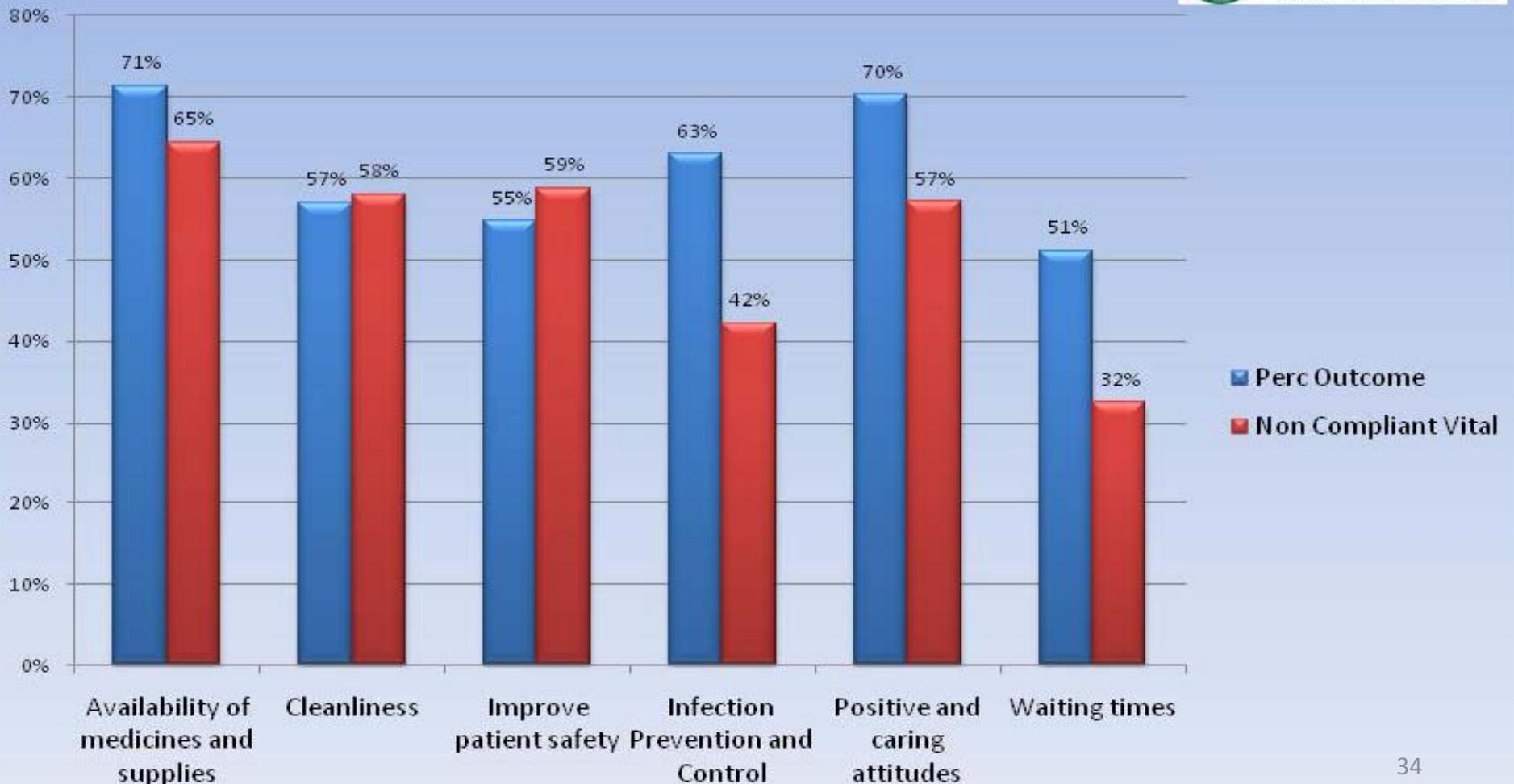
- KwaZulu-Natal: Umkhanyakude, Uthukela, Ugu and Zululand
- Gauteng: Sedibeng
- Limpopo: Greater Sekhukhune
- North West: Ngaka Modiri Molema
- Northern Cape: Frances Baard, Pixley Ka Seme, Siyanda and Namakwa
- Western Cape: Eden

Preliminary findings: National Summary as at 10 August 2011



Preliminary findings: KZN as at 10 August 2011

Priority Outcome: KZN

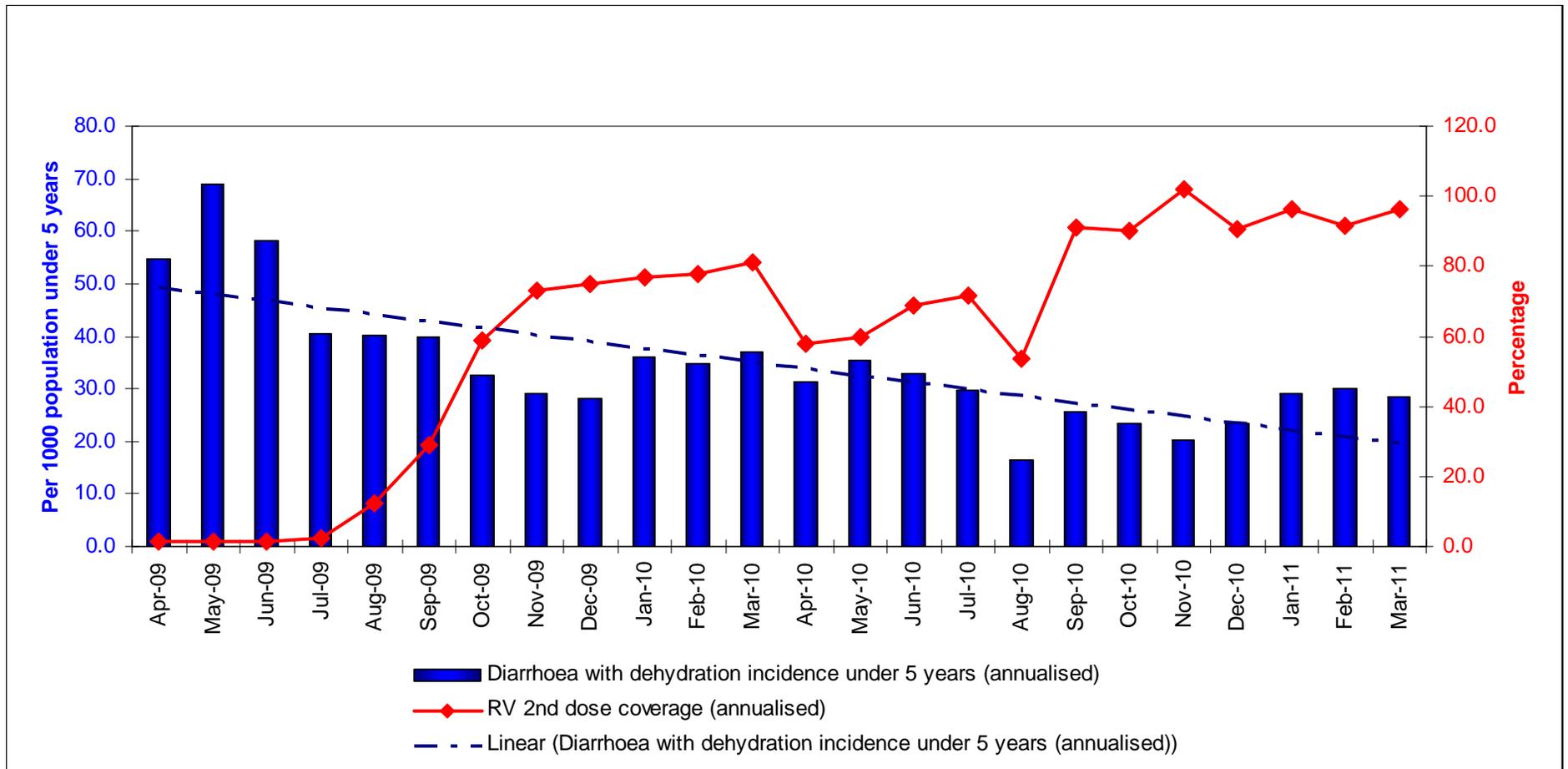


Health Service Delivery Indicators

CHILD HEALTH

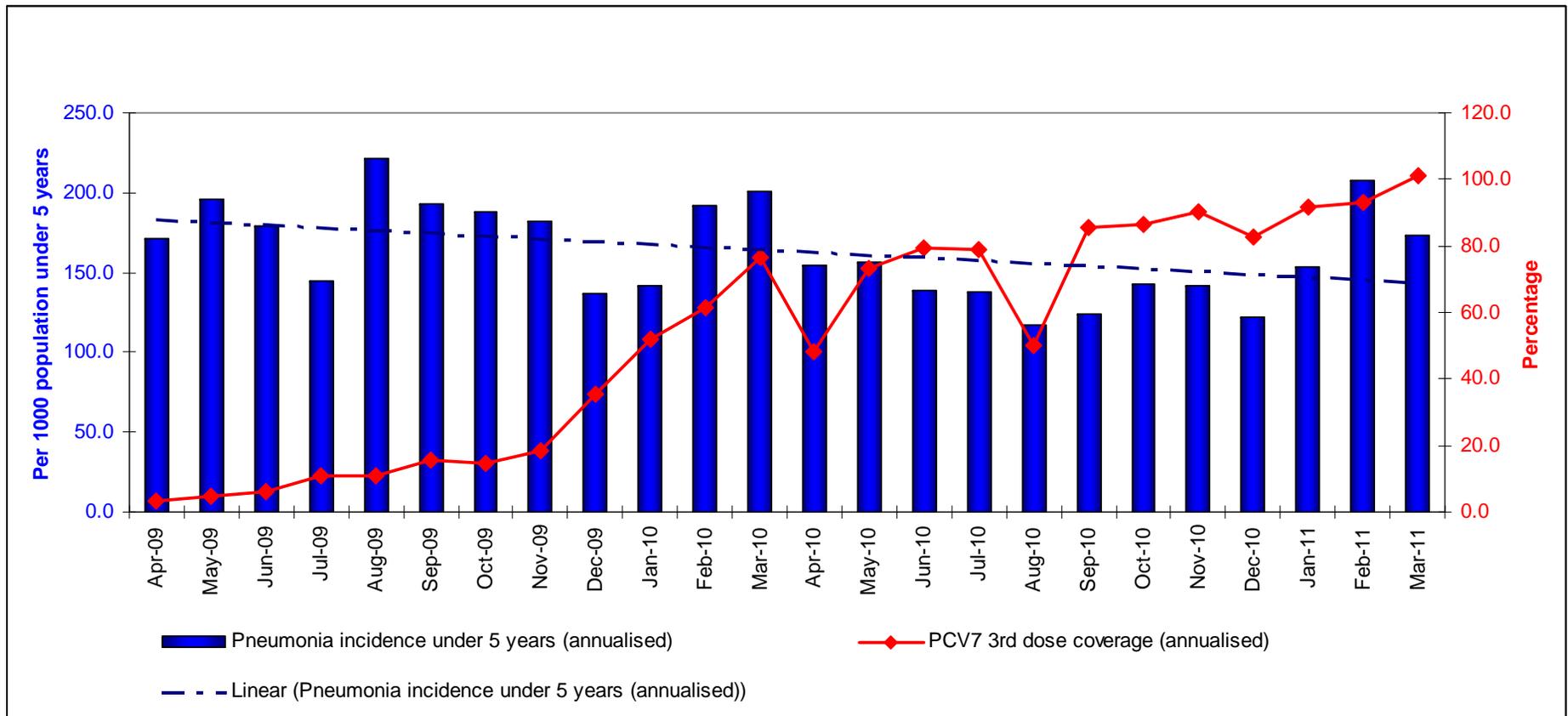
Diarrhoea and Pneumonia are the leading causes of death among children under 5 years. The NDOH have introduced two new vaccines namely Rota Virus and Pneumococcal immunisation to decrease the incidence of Pneumonia (and blood and ear infections as well as meningitis caused by the Streptococcus pneumonia bacteria) and serious diarrhoea causing dehydration.

KZN: Diarrhoea with Dehydration Incidence Rate Compared to RV Coverage 2009/10-210/11



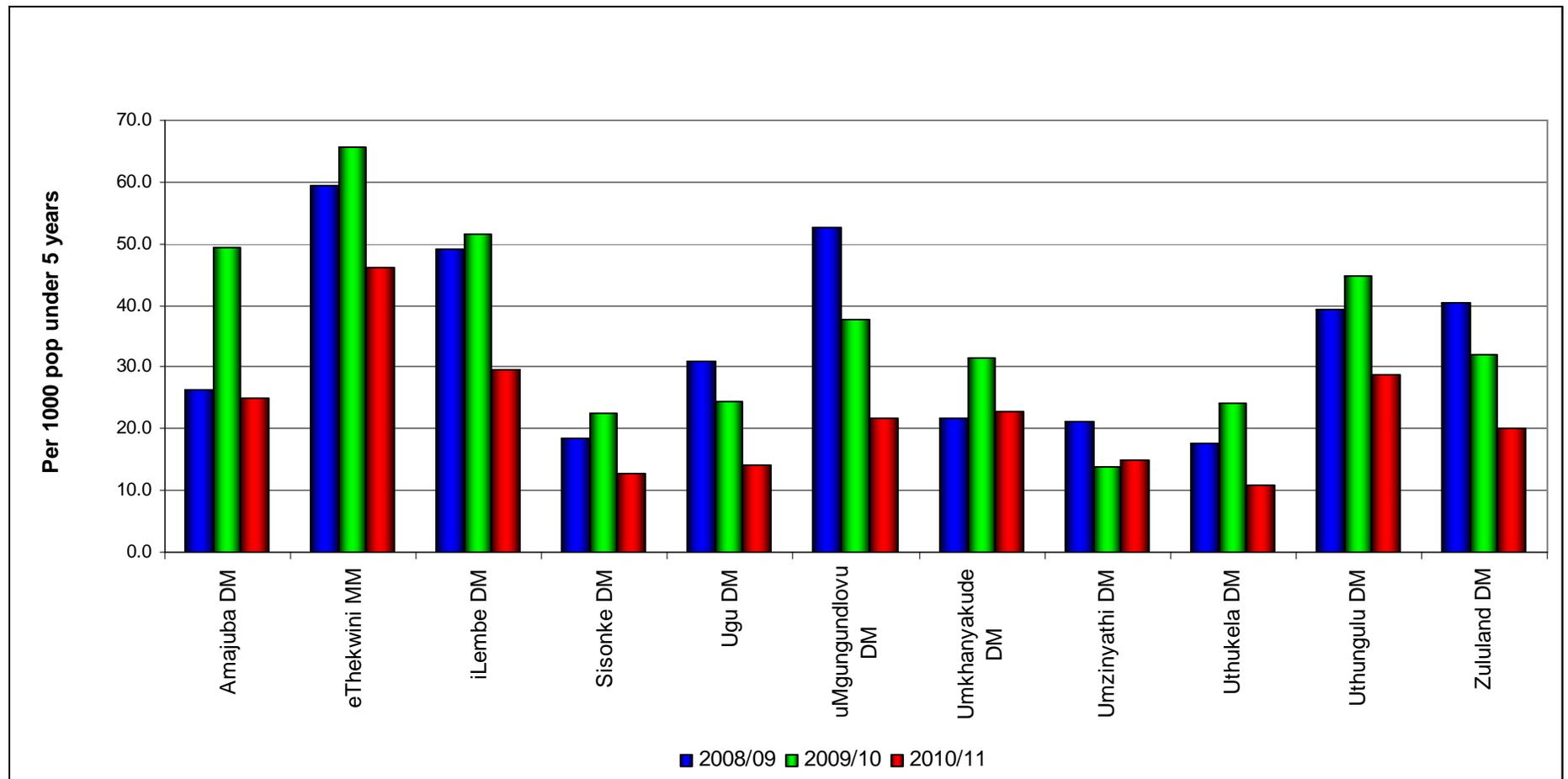
Illustrates the decrease of diarrhoea with dehydration incidence as RV coverage increased

KZN: Pneumonia Incidence Rate Compared to PCV3 Coverage 2009/10-210/11



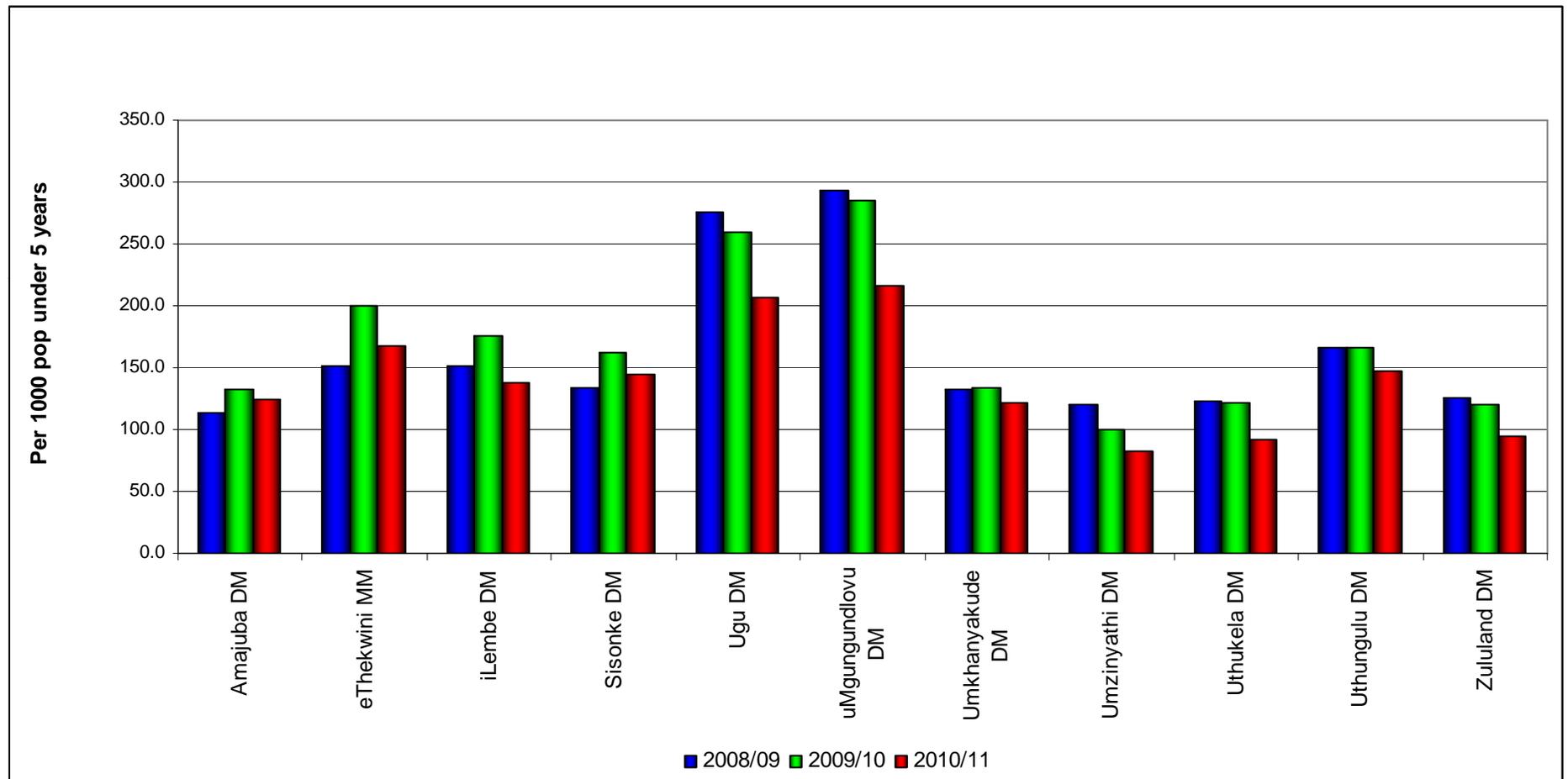
Illustrates the decrease of pneumonia incidence as Pneumococcal immunisation coverage increased

KZN Districts: Diarrhoea with Dehydration Incidence Rate 2008/09-2010/11



All districts had significant decrease in incidence rate of Diarrhoea with dehydration

KZN Districts: Pneumonia Incidence Rate 2008/09-2010/11



All districts had significant decrease in incidence rate of Pneumonia

SERVICE VOLUMES

Services volumes will increasingly be used by National Treasury for budget allocations. The strike in Aug last year had negative impact on service volumes for public health for 2010.

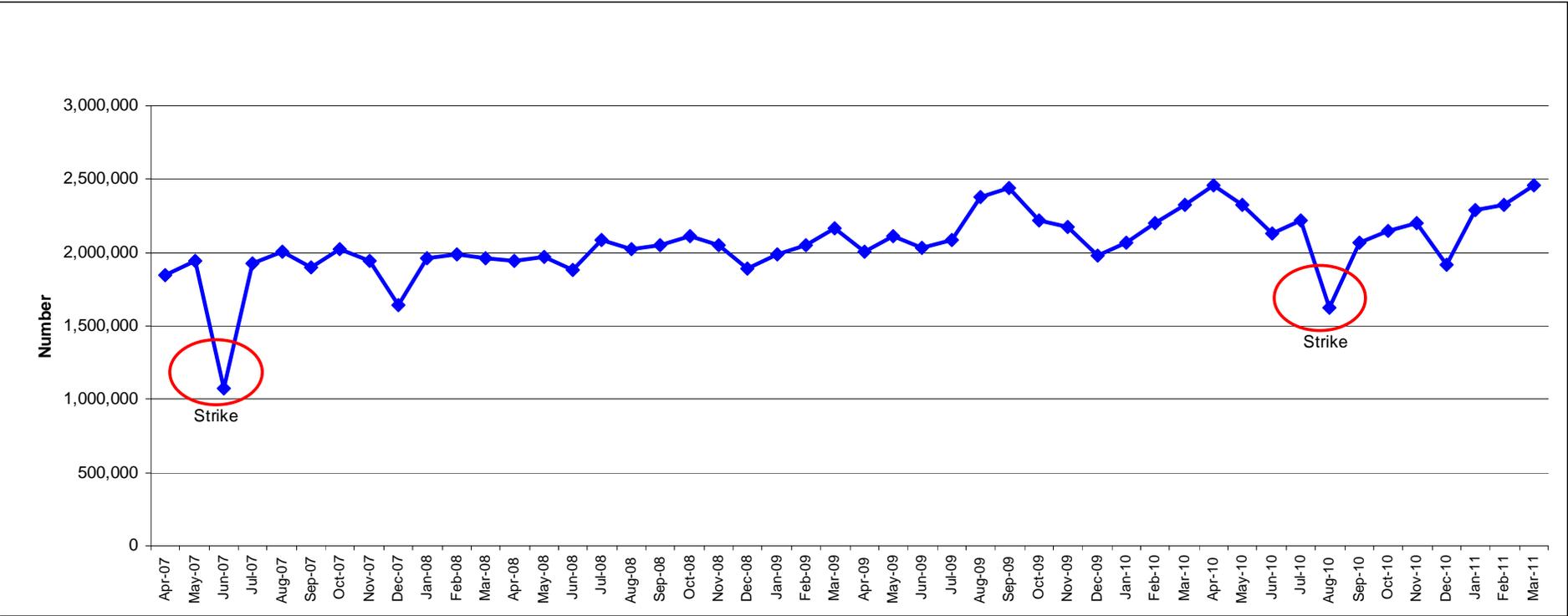
KZN: Patient Encounters and Data Records in DHIS 1999-2010

Year	PHC total headcount	OPD total headcount	CAS/Emergency headcount	Separations	Encounters Total	Encounter Growth	Data Records (PHC/Hosp) in DHIS	Comments
1999	1,643,853	77,529	1,325	6,506	1,729,213		30,944	
2000	10,177,677	3,155,962	425,932	634,891	14,394,462		217,500	
2001	14,360,802	4,214,366	646,635	810,821	20,032,624		309,487	
2002	15,285,854	4,168,062	593,730	699,687	20,747,333	3.6%	373,076	
2003	16,091,359	4,283,171	652,935	658,761	21,686,226	4.5%	460,813	KZN has significant gaps/errors for the years 2006-2008, due to the use of the PTSS application for capturing hospital data (replaced by the DHIS in early 2009)
2004	16,903,453	4,283,980	754,880	712,391	22,654,704	4.5%	558,385	
2005	17,076,164	4,380,988	718,356	718,054	22,893,562	1.1%	678,352	
2006	21,047,379	5,459,735	959,421	863,573	28,330,108	23.7%	839,706	
2007	22,112,325	6,843,602	961,845	816,332	30,734,104	8.5%	1,012,591	Strike
2008	24,193,041	7,113,191	920,868	816,811	33,043,911	7.5%	1,063,721	
2009	25,637,076	8,364,125	906,270	777,065	35,684,536	8.0%	1,712,688	
2010	25,850,205	6,885,289	797,283	702,924	34,235,701	-4.1%	2,844,326	Strike
Total	224,522,933	62,616,772	8,758,281	8,573,846	304,471,832		11,505,552	

The table shows how patient encounters (red column) and data records (blue column) have escalated past 12 years for KZN. The huge increase in data records from 2008-2010 is partially due to hospital ward level data capturing as well as increased number of data sets (for e.g. EMS, EHS) and data elements being captured in DHIS .

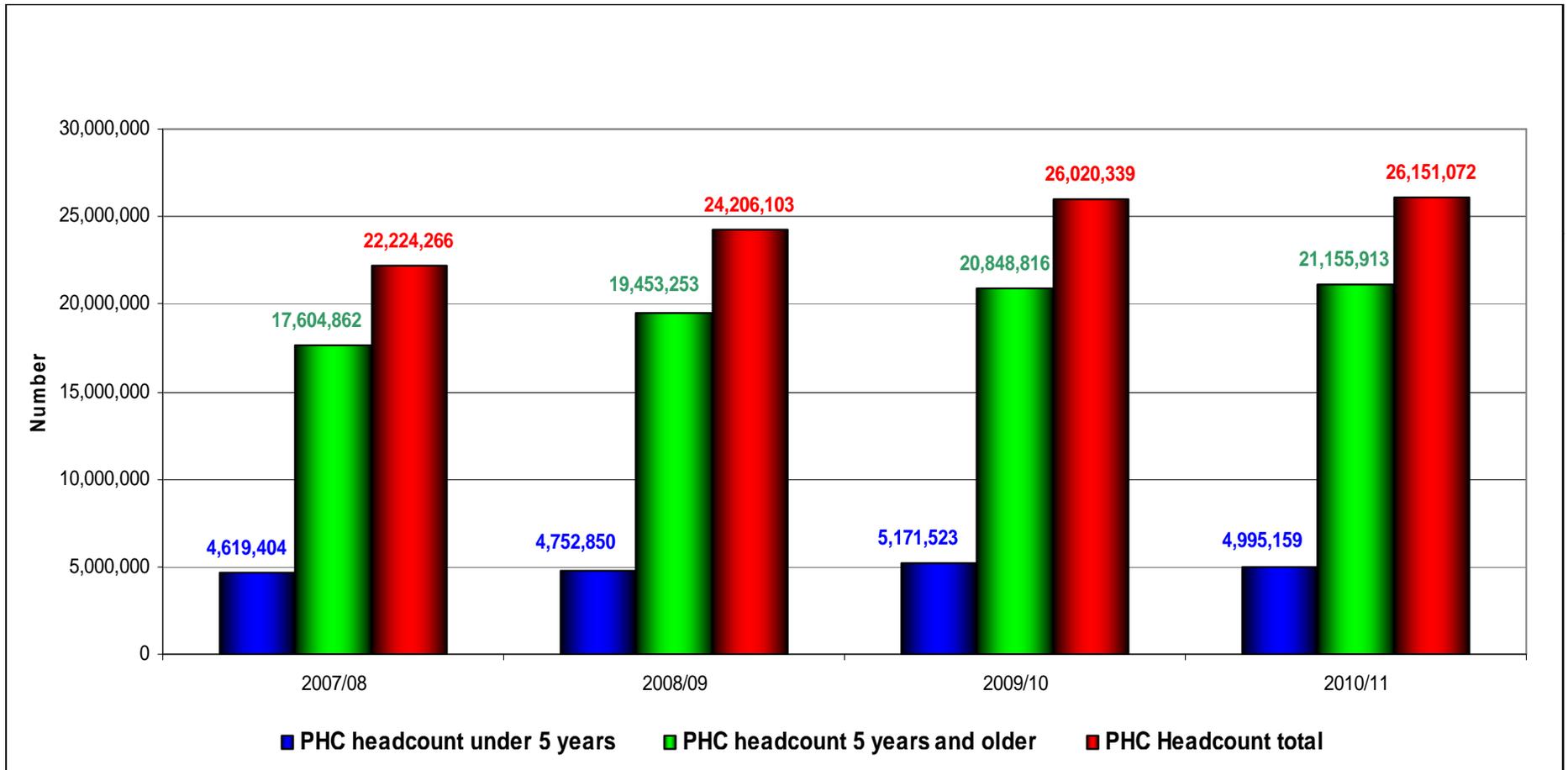
KZN:PHC Headcount 48 Months

(last 4 fin years)

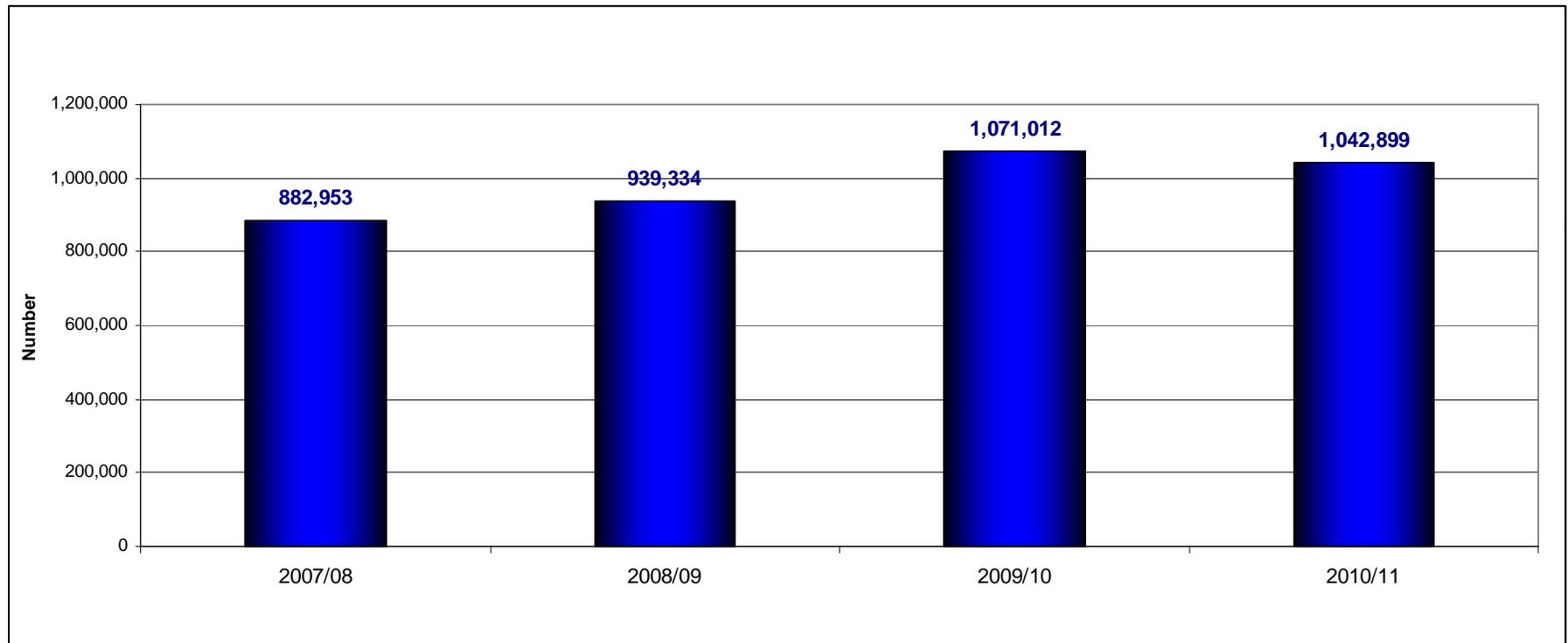


Normal “seasonal” drop of headcounts December. 45% Drop in Jun 2007 and 30% drop in Aug 2010 due to strikes.

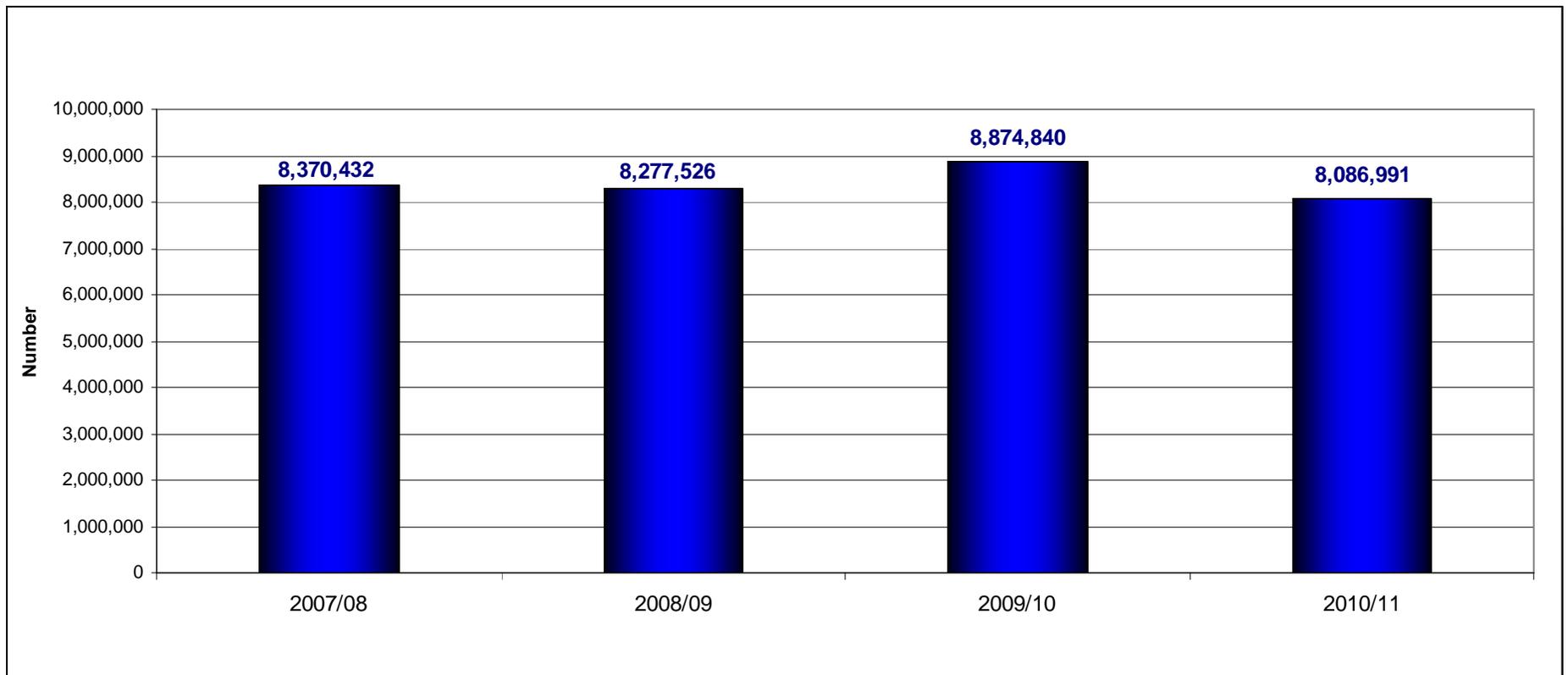
KZN:PHC Headcount 2007/08-2010/11



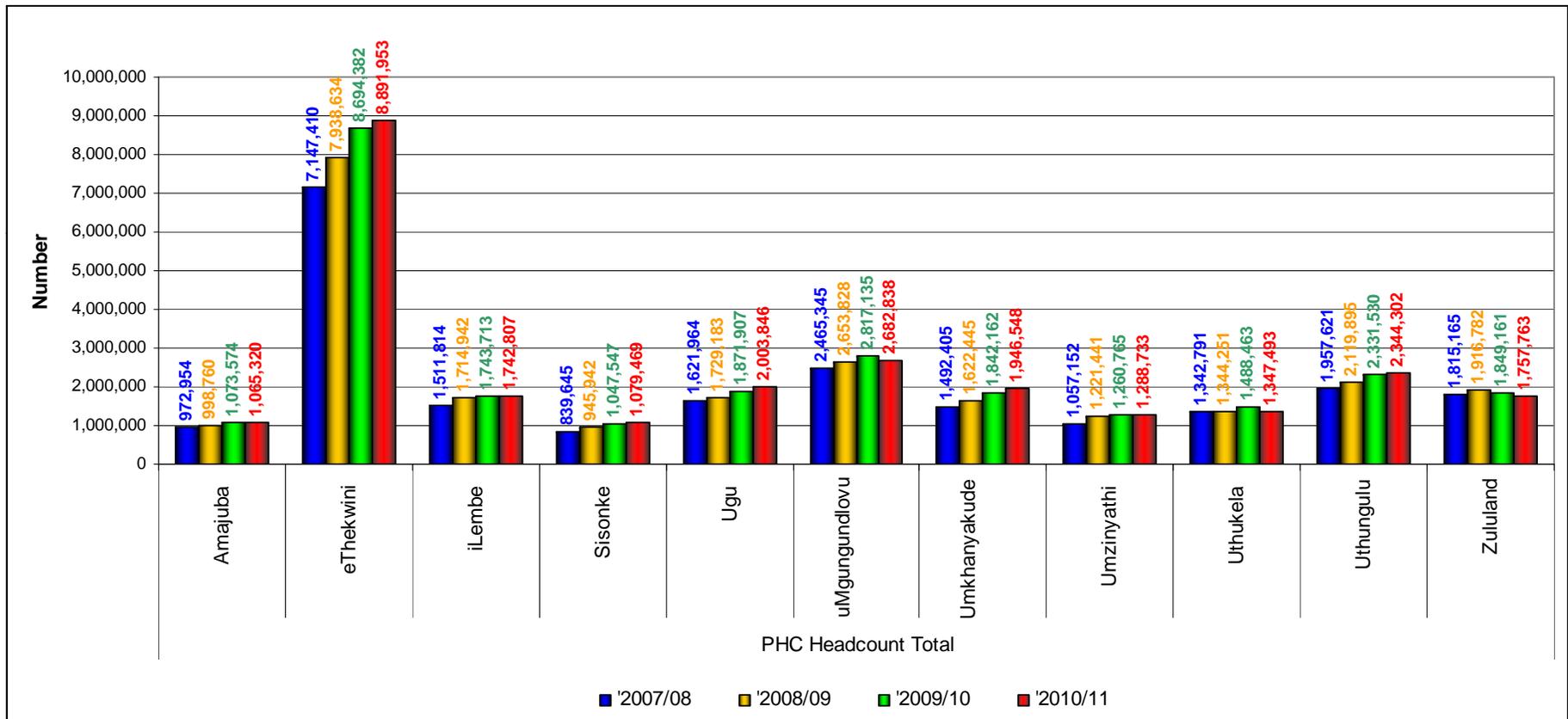
KZN: Hospital Separations 2007/08-2010/11



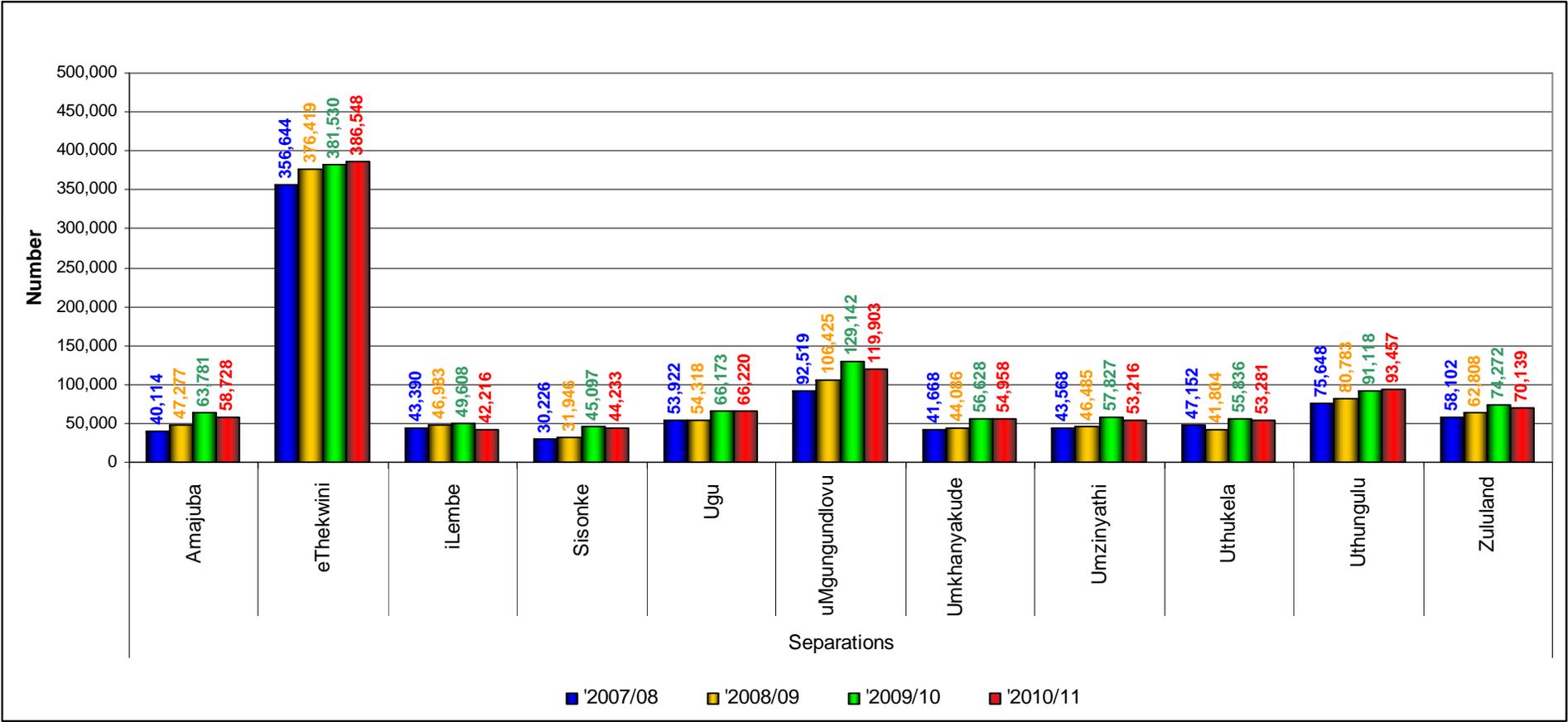
KZN: Hospital Patient Day Equivalent 2007/08-2010/11



KZN Districts: PHC Headcount 2007/08-2010/11



KZN Districts: Hospital Separations Total 2007/08-2010/11



KZN Districts: Hospital Patient Day Equivalent Total 2007/08-2010/11

