in private surgeries and public hospitals Drug-prescribing

surgeries, reports GORDEN MOHLALA. A new study investigates the impact of South Africa's prescribing habits in public hospitals and private ten years after implementation. The study compares National Drug Policy on pharmaceuticals in South Africa



SOUTH AFRICA, the minister of health (EDL) for the public sector and to prepare (NDP) to develop an essential drug list following the draft of a National Drug Policy appointed a Drug Policy Committee (DPC) AFTER THE 1994 ELECTIONS IN treatment guidelines for health person

The implementation of the NDP was

personnel and consumers. to improve rational drug use by both health NDP. Among other objectives, the NDP was the implementation of certain aspects of the This was supposed to serve as preparation for (EDP) survey that was finalised in 2003 by a national essential drugs programme and standard treatment guidelines) on the impact of these important gains (EDI the national Department of Health to look at studies and reviews were commissioned by characterised by a mixed and at times primary healthcare in the provinces, followed controversial set of outcomes. A number of

surgeries compared to private drugs per prescription hospitals prescribed more medical staff in public Overall we found that

generic prescribing is. of drugs by medical, paramedical and pharmaceutical personnel; whether the EDL use in the public sector; whether the NDP what impact the NDP has on pharmaceutical achieved rational prescribing and dispensing habits and examines the following questions: This study looks specifically at prescribing used effectively; and what the level of

between the public hospitals and private to the study, we compared prescribing habits surgeries run by private doctors. On another level, which added much value

private surgeries from four districts and selection of 15 public hospitals and 36 December 2005. We included a random Cape and Limpopo between August and The study was conducted in the Western

> and patient exit interviews. included a review of patients' medical records evaluation of drug use. The investigation (WHO) methods and guidelines for the imployed World Health Organisation

standards apply: Use of Drugs (INRUD) the following the WHO/International Network for Rational prescribing habits in public hospitals and private surgeries by province. According to Table 1 shows a comparison of drug-

- The number of drugs prescribed
- The percentage of antibiotics per case patient should be 1.6 per encounter; per
- The percentage of injections per case should not exceed 15%;

should not exceed 20%;

Ideally, all prescribed drugs should be those listed on the essential drug list.

day consultation, while private surgeries average of 4.5 drugs in public hospitals were to 3.4 in public hospitals. In general, an of 3.7 (SD=1.6) in private surgeries compared 1.9 drugs were prescribed in private surgeries prescribed an average of 2.5 drugs per consultation, while private surgeries drugs per hospitalisation and 3.3 per day public hospitals prescribed an average of 4.85 within the provinces, in Limpopo alone prescribed per day consultation. Staying files) compared to 3.1 (SD=2.3) drugs prescribed per hospitalisation (in-patient compared to 3.0 in public hospitals. In In the Western Cape, however, an average of public hospitals prescribed more drugs per iverage of 4.0 per hospitalisation and 2.8 per nospitals in the Western Cape prescribed an prescribed 3.94 per consultation. Public impopo, analysis of data revealed an average prescription compared to private surgeries onsultation. Overall we found that medical staff in

not cover all classes of drugs and that is why and therapeutics committee (DTC). medicines formulary lists through a drugs treatment) healthcare, formulate their own tertiary and quaternary (highly specialised certain institutions, especially those that offer Challenges facing the EDL are that it does medicines formulary for the public sector. The national EDL is meant to serve as a

the hospital's formulary list can, therefore, why, since the launch of the EDL and motivation by a doctor. This explains in part only be obtained following a written standard treatment guidelines, some drugs Drugs not appearing on the EDL and on

explains the low EDL prescribing levels medications they want to prescribe since they appearing on patients' prescriptions are not listed on the EDL. In the private sector, are not bound to using the EDL, which prescribers have a greater choice of which

in the Western Cape, 72.8% (n=902) of drugs (n=1 552) prescription rate of antibiotics in visit. In Limpopo we found a 63.4% surgeries was 27.2% (n=275) on the day of while antibiotic prescription in private prescribed on the day of visit were antibiotics

WHO/INRUD	Limpopo	оро	Weste	Western Cape	To	Total	
Indicators	Public	Private	Public	Private	Public	Private	
Drug use Average number of drugs per prescription	3.4 (SD=1.8)	3.7 (SD=1.6)	3.0 (SD=2.0)	1.9 (SD=2.5)	3.2 (SD=0.3)	2.8 (SD=1.3)	
Injection use % of encounters with ≥1 injection	9.8 (n=429)	32.9 (n=152)	6.7 (n=282)	13.7 (n=124)	8.3 (SD=2.2)	23.3 (SD=13.6)	
Antibiotic use % antibiotic prescribing (per total responses)	63.4 (n=1 552)	36.6 (n=630)	72.8 (n=902)	27.2 (n=275)	68.1 (SD=6.6)	31.9 (SD=6.6)	
Other indicators % drugs prescribed from EDL	93.1 (n=1 409)	69.0 (n=415)	92.0 (n=828)	68.0 (n=181)	92.6 (SD=0.8)	68.5 (SD=0.7)	
Other indicators % drugs prescribed generically	41.7 (n=1 367)	21.9 (n=147)	48.6 (n=859)	27.1 (n=153)	45.2 (SD=4.9)	24.5 (SD=3.7)	
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blic nospitals and private surgeries, by province

trials to doctors' objectives and clinical market, economic prescribing habits patients' conditions, the Researchers have linked

to 69% (n=415) in private surgeries. In Limpopo, 93.1% (n=1409) of prescriptions 92% (n=828) of all prescribed drugs in public were drugs appearing on the EDL, compared compared to 68% (n=181) in private surgeries observed in this sector. In the Western Cape nospitals were drugs appearing on the EDL

In the Western Cape, generic prescription 41.7% (n=1 367) in public hospitals. (27.1%, n=153). In Limpopo, however, n=859), compared to private surgeries was higher in public hospitals (48.6% reason to investigate the lower generic generic prescriptions in private surgeries were found to be 21.9% (n=147), compared to prescribing percentages in the private sector Our findings suggest that there could be The problem of overprescribing antibiotics

drug resistance and could further be linked surgeries and found that in public hospitals antibiotic use in public hospitals and private measured and compared the levels of to the frustration of dealing with multiple infections in people infected with HIV. We has been linked to the global problem of

in private surgeries. public hospitals, compared to 36.6% (n=630)

(n=429) in public hospitals. at least one injection compared to 9.8% patients who visited private surgeries received compared to 6.7% (n=282) in public hospitals. In Limpopo, 32.9% (n=152) of hospitals compared to high-usage rates in private surgeries received at least one injection 13.7% (n=124) of patients who visited private surgeries. In the Western Cape, within acceptable standards in public Injection prescription was found to be

prescribing habits. patients' conditions, the market, economic in different scenarios. Researchers have linked objectives and clinical trials to doctors' Doctors may prescribe for different reasons

a result of the NDP, the EDL and the especially with regard to the use of antibiotics, private partnerships for public sectors needs to be regulated through publicregard to drug use, drug prescribing in both regulatory role in the private sector with standard treatment guidelines have no clear although the binding processes brought up as essential drugs and generic prescribing. In conclusion, our findings suggest that benefit,

research programme. The full report, The impact of South Africa's National Drug Policy on pharmaceuticals in South Africa, is available on Mr Gorden Mohlala is a senior researcher in the Social Aspects of HIV/AIDS and Health (SAHA)

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