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The quality of child health services offered at primary health care clinics in Johannesburg

Thandrayen, Kebashni

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UNIVERSITY OF THE WITWATERSRAND

THE QUALITY OF CHILD HEALTH SERVICES OFFERED AT PRIMARY HEALTH CARE CLINICS IN JOHANNESBURG

Submitted to the Faculty of Medicine
University of the Witwatersrand
In partial fulfilment of the requirements for the degree

MASTER OF MEDICINE
(PAEDIATRICS)

KEBASHNI THANDRAYEN
Student No: 9401091M

SUPERVISORS:
Prof Haroon Saloojee
Dr Anitha Moodley

Department of Paediatrics and Child Health
Johannesburg, South Africa

Clearance number: M050941

DECLARATION

I, Kebashni Thandrayen declare that this research report is my own work. It is submitted for the degree of Master of Medicine in the branch of Paediatrics at the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination at this or any other university.

Signature …….

Date ……....

DEDICATION

This is dedicated to my family; my father Mr Singaravelu Thandrayen, my mother Mrs Jugdambal Thandrayen and my brothers Dr Manivasan Thandrayen and Kodeesparan Thandrayen.

ABSTRACT

Aim:

To assess the overall quality of child health services provided at primary health care facilities in the Johannesburg metropolitan area.

Objectives:

Primary Objective

To evaluate the quality of clinical care provided by health care workers caring for children; including an assessment of the treatment of common childhood illnesses, counselling and health promotion.

Secondary Objectives

1. To assess the quality of well baby services such as immunisation, growth promotion and developmental monitoring.
2. To assess the availability of drug supplies and equipment.
3. To assess the quality of record keeping.
4. To describe the infrastructure available at health facilities and the availability of services provided to children, including appropriate referral services.

Design:

This was a cross-sectional, observational study over a two-month period conducted at 16 primary health care facilities in the Johannesburg Metropolitan area; four community health centres (CHC) and 12 primary health care (PHC) clinics. A researcher-developed structured checklist, based on national guidelines and protocols was utilised.

Results:

A total of 141 sick child and 149 well child visits were observed. Caregivers experienced long waiting hours (mean [SD] of 135±72 minutes). Many routine examination procedures were poorly performed, with an appropriate diagnosis established in only 77% of consultations. Almost half of the children (46%) received antibiotics; their use was unwarranted in one-third of instances. Health promotion activities (such as growth monitoring) were consistently ignored during sick child visits. The mother or sick child's HIV status was seldom considered or investigated. At least a third of children requiring cotrimoxazole prophylaxis were not prescribed the antibiotic. Growth promotion and nutritional counselling at well child visits was

generally inadequate with not one of 11 children requiring food supplementation receiving it. The majority of facilities were adequately equipped and well-stocked with drugs. A lack of capacity to manage children with chronic conditions (such as asthma), mental health problems and disabilities exists.

Conclusion:

The poor quality of care offered to children in the richest city in Africa is a sad indictment of the inability of health service providers in the city to meaningfully address children's health needs. Nothing short of a deliberate and radical overhaul in the way that health care is organised for children, with clearly defined and monitored standard clinical practice routines, is likely to significantly change the status quo.

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LIST OF ABBREVIATIONS

AIDS	Acquired immunodeficiency syndrome
ART	Antiretroviral therapy
B.Cur	Bachelor of nursing
BCG	Bacillus Calmette-Guerin vaccine
CHCs	Community health centres
DEA	Data envelopment analysis
DOTS	Directly observed therapy- short course
DTP	Diphtheria-tetanus- pertussis vaccine
EDL	Essential drugs list
ENAS	Enrolled nursing assistants
EPI-SA	Expanded Programme on Immunisations-South Africa
GP	General Practitioner
HIV	Human immunodeficiency virus
IMCI	Integrated management of childhood illness
NGO	Non-Governmental organisation
NGT	Nasogastric tube
NR	Not recorded
ORS	Oral rehydration solution
ORT	Oral rehydration therapy
PCP	Pneumocysitis Jirovecii pneumonia
PHC	Primary health care
PHCs	Primary health care clinics
PPD	Purified protein derivative
RTHC	Road to Health Card
SD	Standard deviation
TB	Tuberculosis
UNICEF	United Nations Children's Fund
USA	United States of America
WHO	World Health Organisation