Reforming the District Health System: information for decision-making

Session 4
Universal Health Coverage (UHC) National Dialogue
21 November 2019

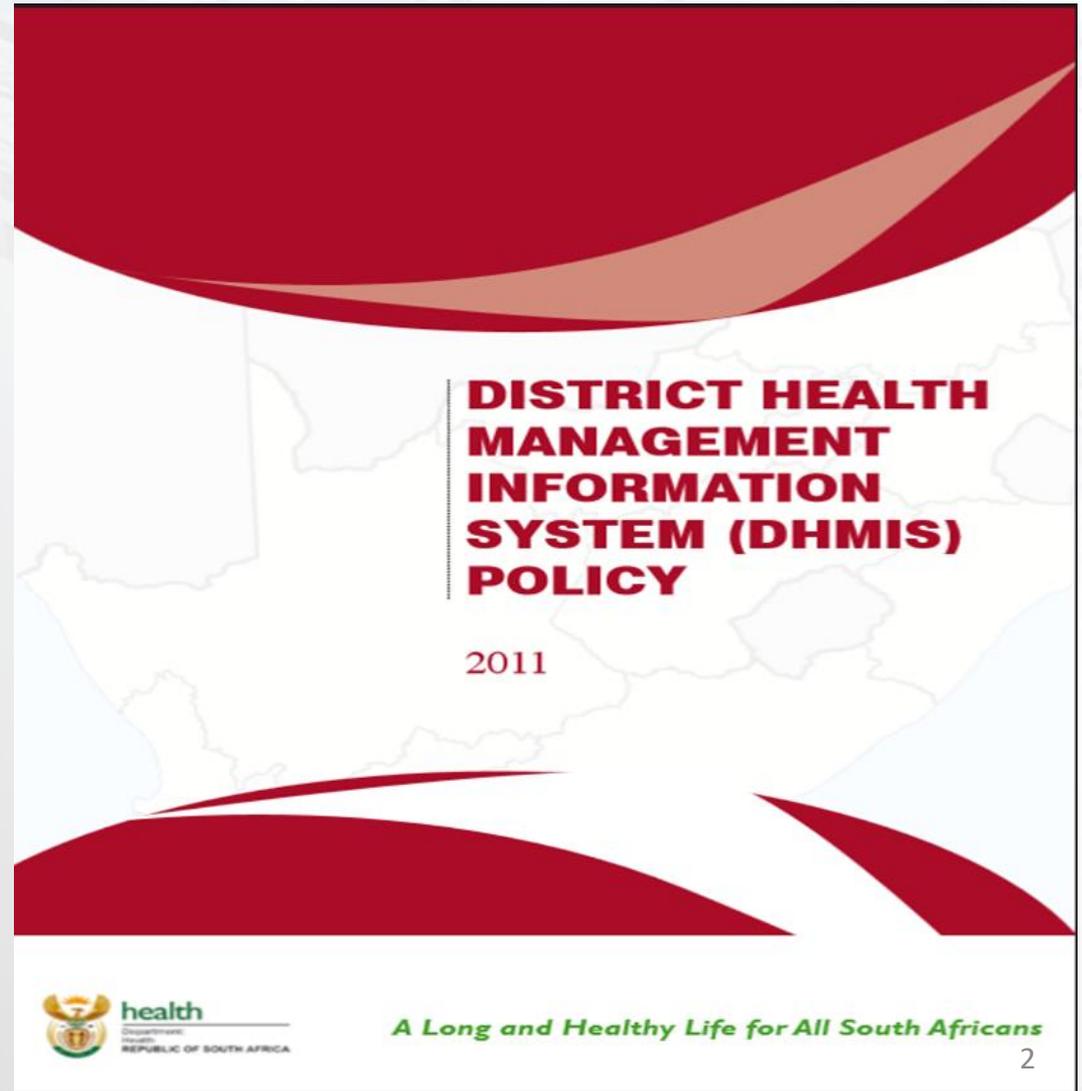Dr Tshegofatso Maimela,
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REPUBLIC OF SOUTH AFRICA

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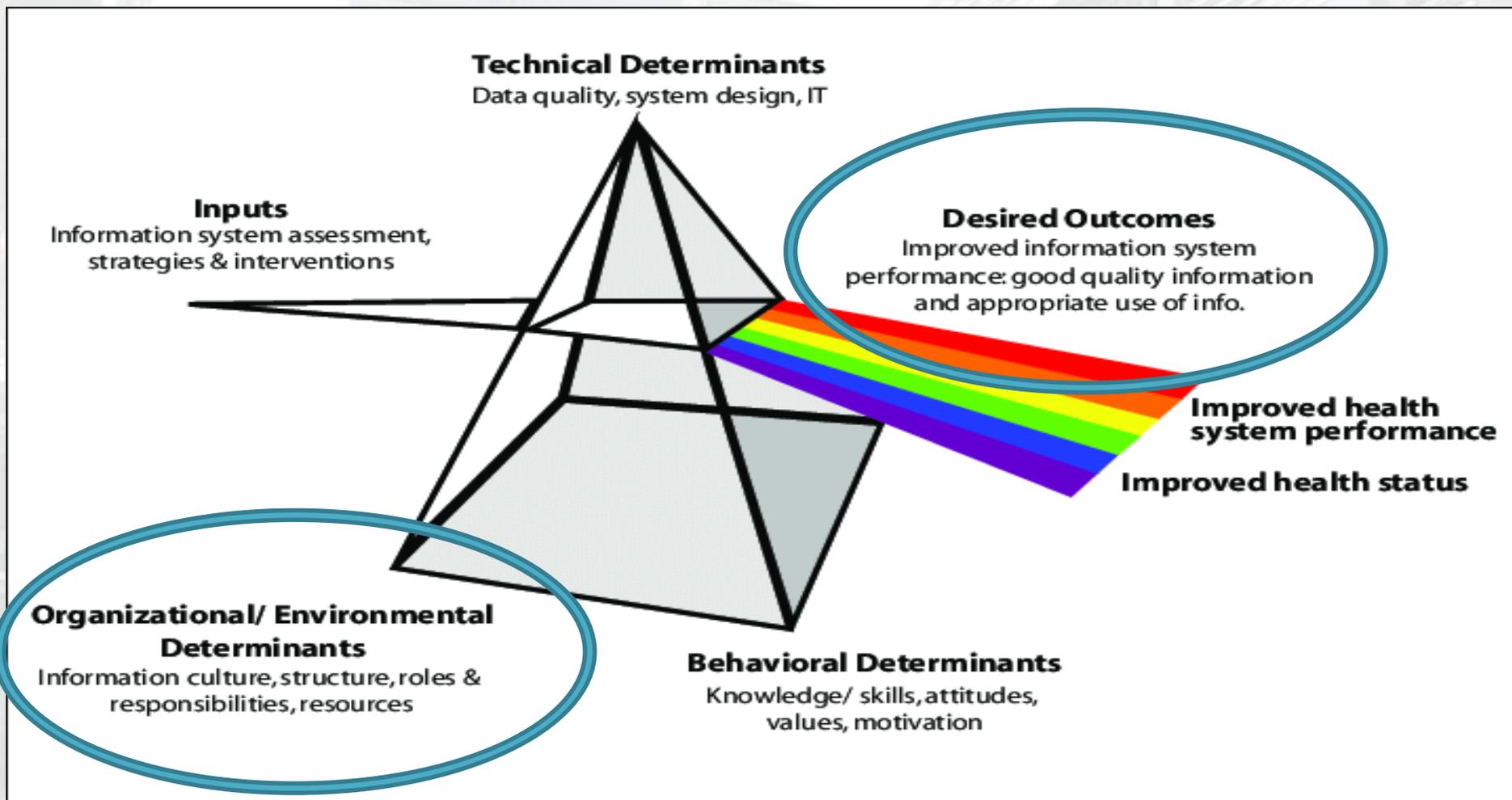Public Health

Health Systems Strengthening

- Health management information systems (HMIS)
- DHMIS in South Africa

Purpose of RHMIS:

- Production of health information (data)
- Use of that data to inform decisions for service delivery and service improvements

DISTRICT HEALTH MANAGEMENT INFORMATION SYSTEM (DHMIS) POLICY

2011

health
Department:
Health
REPUBLIC OF SOUTH AFRICA

A Long and Healthy Life for All South Africans

fppt.com

PRISM framework diagram (prism refracting light into outcomes):

Technical Determinants
Data quality, system design, IT

Inputs
Information system assessment, strategies & interventions

Desired Outcomes
Improved information system performance: good quality information and appropriate use of info.

Improved health system performance

Improved health status

Organizational/ Environmental Determinants
Information culture, structure, roles & responsibilities, resources

Behavioral Determinants
Knowledge/ skills, attitudes, values, motivation

Aqil, A., Lippeveld, T. and Hozumi, D. (2009) 'PRISM framework: A paradigm shift for designing, strengthening and evaluating routine health information systems', Health Policy and Planning, 24(3), pp. 217–228

- Describe the **organisational context supportive** of routine HMIS (DHMIS) **data utilisation** for decision-making

  – Explore and describe the **perceived** organisational context **supportive of decision-making** for service improvement in PHC facility managers in 2017

  – Explore and describe **perceived** organisational **factors influencing data use** for decision-making in PHC facility managers in 2017

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- ## Organisational Factors:
  - ### Semi-structured interview
    - 9 PHC facility managers
    - DOH, COJ

  - ### Self-administered questionnaire –
    - 45 PHC facility managers Likert scale adapted organisational factors
    - Explore factors influencing data use

Critical Management Functions:
-Governance
-Planning
-Training
-Supervision
-Quality assurance

Promotion of Information Use

Resource Availability

WITS Human Ethics Research Committee – Clearance certificate (REF: M151031, granted 24/06/2016)

Methods:

Exploring factors influencing data-informed, decision making

Interview guide:

Please could you tell me your thoughts on whether and how the health data collected through the DHMIS are used at healthcare facilities in this district?

What current policies can you think of, that you think influence the way data are used by you in the healthcare facility?

Could you tell me about mechanisms which you think are in place for disseminating DHMIS information within the district?

How are people trained for using data in this facility?

Could you tell me a bit about how your supervisor assists you in using data in your facility?

Could you tell me your thoughts about the current human (i.e. people) and technological (i.e. ICT systems) infrastructure, in influencing the use of data at healthcare facilities?

USE OF DHMIS DATA:

Health service planning and monitoring

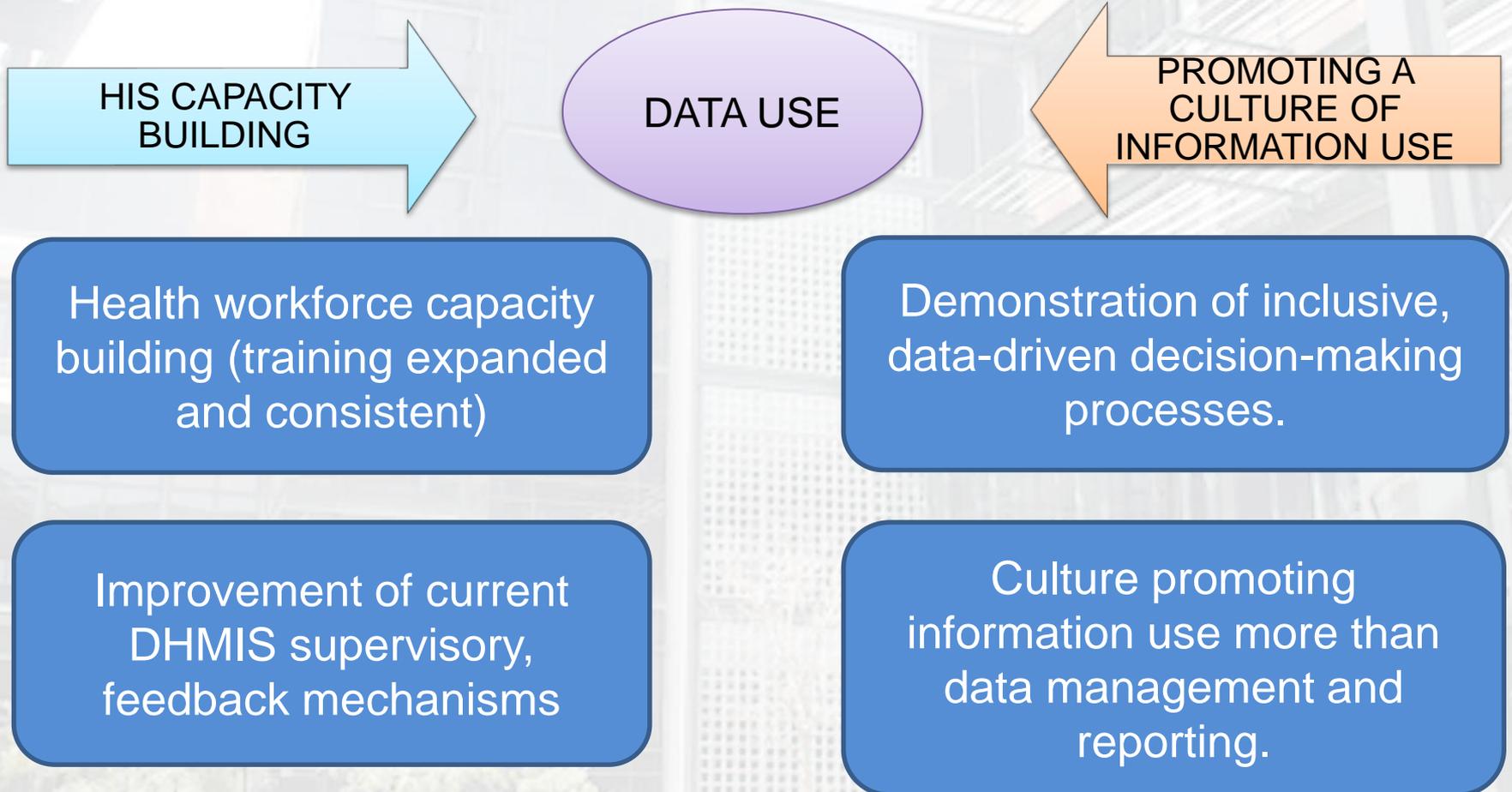| FACILITATORS	CONSTRAINTS
ORGANISATIONAL FACTORS INFLUENCING DATA USE	**ORGANISATIONAL FACTORS INFLUENCING DATA USE**
Enabling policy environment for DHMIS data management	Lack of data management training for HIS personnel for and data use training for facility managers
Availability of HIS tools and ICT to support the generation of data	Lack of supervision of data management and use at facility level
	Limited availability of HIS personnel for data management
	Culture of excluding facility managers in DHMIS decisions and focusing on reporting of raw data
PROCESS FACTORS FACILITATING DATA USE	**PROCESS FACTORS CONSTRAINING DATA USE**
Data processes: dissemination of data to users in useable format (reports / review meetings)	Data processes: delayed data dissemination to users and data presentation format not easily useable
	Poor data quality

- Decision-making rationale for resource allocation

- Reporting – focused culture

Decision-making especially regarding resource allocation, I think is based on numbers and not data…top management is more focused on the numbers than in what the numbers are saying…– **PHC_Facility_Manager**

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HIS CAPACITY BUILDING →

DATA USE

PROMOTING A CULTURE OF INFORMATION USE

Health workforce capacity building (training expanded and consistent)

Demonstration of inclusive, data-driven decision-making processes.

Improvement of current DHMIS supervisory, feedback mechanisms

Culture promoting information use more than data management and reporting.

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- Data use strategies
  - Technical, Behavioural & **Organisational factors**
  - Leverage current enablers (**integrate** policies, processes and practices)

- Organisational **HIS design and culture** of DHMIS
  - Voices of our health workforce
  - Inclusiveness and ownership

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THANK YOU FOR YOUR ATTENTION

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