

# Public Sector Service Delivery Perspective (LMIC)

WHO/HQ Medical Devices Nomenclature Mapping

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# Context

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## **Western Cape Department of Health (1 of 9+1)**

- .... > 400 health/specialised facilities (focus on PHC)
- .... > 50 hospitals incl. 3 academic hospitals
- .... > 30,000 employees

## **National Department of Health**

- .... Framework for Health Technology Policies
  - National HT System with 4 sub-systems: Assessment; Planning; Procurement; Utilisation & Maintenance*
- .... Health Technology Strategy

## **National Treasury**

- .... Strategic Procurement (e.g. transversal contracts)
- .... Supporting systems (financial, asset and maintenance management, ...)

# Life-Cycle Management of Medical Devices

## Ecosystem / Enabling Environment

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- ❑ Policy, SOPs, Guidelines, Norms & Standards
- ❑ HT Planning & Procurement
- ❑ Decentralised Maintenance Service
- ❑ Maintenance Management System (MMS)
- ❑ CE/HTM Capacity Development  
(Bodies of Knowledge & Practice)

**Standardised Medical Device Nomenclature System**  
= essential building block for all the above

.... of *fundamental* importance for **Medical Device Asset Register** that informs:

- asset types, counts, locations and values
- service delivery issues – resource availability
- safety issues – hazard alerts and recalls
- standardisation - cost-effective acquisition & utilisation
- identification of maintenance requirements
- replacement planning

# Asset Register / Data Set I

ICN	ICN DESCRIPTION	Comments / Changes
999970T6644126	X-RAY APPARATUS , DIAGNOSTIC BUCKY, TOMOGRAPHIC UNIT, PHILLIPS CS4	
999970U4225266	X-RAY APPARATUS , DIGITAL C-ARM FLUOROSCOPY RADIOGRAPHIC UNIT	
999970T8852143	X-RAY APPARATUS , DIGITAL, FUJI FCR, SSTMED MEDISTORE 2000, CR READER AND CASSETTES, PACS WORKSTATIONS, RIS, DVD ROBOT, DISK LABELLER, 3KVA UPS	
999970T7386079	X-RAY APPARATUS , DIGITAL, FULL BODY CRITICAL IMAGING SYSTEM, STATSCAN LODOX	
999970U3278088	X-RAY APPARATUS , DIGORA OPTIME, MODEL DXR-60, PART NUMBER SOR-900682	
999970U2390514	X-RAY APPARATUS , EQUIPMENT, CARESTREAM DRX EVOLUTION, KODAK	
999970U1348046	X-RAY APPARATUS , EXPLORE X, PORTABLE	
999970T4617940	X-RAY APPARATUS , FILM IDENTIFICATION PRINTER, ELECTRIC, KODAK, MODEL BTM, WITH TRANSFORMER	
999970U2270938	X-RAY APPARATUS , FUJIFILM, CRIR362, FCR XG5000	
999970U3435815	X-RAY APPARATUS , FUJIFILM, FDR SMART, DIGITAL GENERAL BUCKY ROOM WITH CEILING SUSPENSION	
999970U2321610	X-RAY APPARATUS , GENERATOR, PHILIPS, MODEL OPTIMUS 50	
999970T8369492	X-RAY APPARATUS , HAND HELD, DIGITAL, WITH PORTABLE CASE, SENSOR SIZE 365MM X 255MM, GENDEX VISUALIX EHD, MODEL ARU06CE NAMAD	
999970T8369504	X-RAY APPARATUS , HAND HELD, DIGITAL, WITH PORTABLE CASE, SENSOR SIZE 405MM X 330MM, GENDEX VISUALIX EHD, MODEL ARU06CE NAMAD	
999970T7428333	X-RAY APPARATUS , HIGH VOLTAGE GENERATOR, MICROPROCESSOR CONTROLLED, 4UD STANDARD SPEED STARTER, SHIMADZU UDL150L - 40E	
999970T4903252	X-RAY APPARATUS , HIGH VOLTAGE GENERATOR, MICROPROCESSOR CONTROLLED, SHIMADZU UD150L-30E	
999970U3434596	X-RAY APPARATUS , HOLOGIC, MODEL SELENIA, FREE STANDING, COMPACT FULL FIELD, DIGITAL MAMMOGRAPHIC X RAY UNIT	
999970U1856196	X-RAY APPARATUS , INTRA ORAL IMAGING, KODAK, MODEL CARESTREAM SC7600, CODE KDK1014307	
999970U1856210	X-RAY APPARATUS , INTRA ORAL, ESX SERIES, MODEL VATECH, CODE VAT6000	
999970U1319110	X-RAY APPARATUS , INTRA ORAL, GENERAL ELECTRIC, MODEL 46137200 GE	
999970U1345824	X-RAY APPARATUS , INTRA ORAL, MODEL EXPLOR-X-70, VILLA SYSTEM	
999970U1345673	X-RAY APPARATUS , INTRA ORAL, TROPHY TREX, MODEL IRIX70	
999970U0187296	X-RAY APPARATUS , KODAK MODEL CR975, DIGITAL CASSETTE READERS, CARESTREAM OEHM AND REHBEIN WORKSTATION, SCANNER, READER, EVP SOFTWARE	
999970U1345584	X-RAY APPARATUS , KODAK 8000, DIGITAL, PANORAMIC SYSTEM	
999970U0857577	X-RAY APPARATUS , KODAK, CARESTREAM DIRECT VIEW, DIGITAL CASSETTE, SINGLE READER, SCANNER, EVP SOFTWARE	
999970U0433868	X-RAY APPARATUS , KODAK, MODEL CR975	
999970T4903439	X-RAY APPARATUS , LATERAL CASSETTE HOLDER	
999970U1692906	X-RAY APPARATUS , LONG LENGTH WALL MOUNTED IMAGE SYSTEM, CARESTREAM, CODE K1307123	

LOGIS Unique ICN Descr\_MedEquip

Generic CAT

WCGH HT M&A Std Dev\_CAT

WCGH HT M&A Std Dev\_all

DEC Template



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# System / Data Set II

Medical Equipment for TBH and GSH	Branch	Purchase Date	Sum of Price
<del>CAMERA GAMMA</del>	GH	2005-03-31	R7 562 500,00
<del>MACHINE LINEAR ACCELERATOR</del>	GH	2005-03-31	R5 514 285,71
<del>GAMMA CAMERA</del>	TH	2005-03-31	R6 050 000,00
LINEAR ACCELERATOR	TH	2005-03-31	R11 000 000,00
X RAY GENERATOR	TH	2005-03-31	R2 200 000,00
MICROSCOPE	TH	2005-04-18	R1 778 947,20
<del>GAMMA CAMERA</del>	GH	2005-11-03	R1 767 000,00
<del>LINEAR ACCELERATOR</del>	TH	2006-08-02	R12 304 190,91
MACHINE X RAY C ARM	GH	2007-12-28	R1 486 977,11
MACHINE ULTRASOUND	GH	2008-02-14	R1 015 402,00
BRACHYTHERAPY AFTERLOADER	GH	2008-03-06	R1 210 680,00
COMPUTER RADIOGRAPHY SYSTEM	TH	2008-03-11	R1 250 901,00
X RAY BED BUCKY	TH	2008-03-31	R5 142 451,00
MICRO SYSTEM	GH	2008-04-01	R1 979 724,00
MACHINE LASER SKIN	GH	2008-12-19	R1 100 539,91
MACHINE X-RAY C ARM AP CAMERA	TH	2009-03-11	R1 244 295,00
XRAY MACHINE	TH	2009-03-11	R3 482 387,30
DIGITAL RADIOGRAPHY SYSTEM	TH	2009-06-03	R4 244 099,95
XRAY DIAGNOSTIC UNIT	TH	2009-06-03	R4 142 239,75
WASHER DISINFECTOR	TH	2009-07-27	R3 040 078,00
WASHER DISINFECTOR	TH	2009-08-25	R6 080 156,00
<del>HEART LUNG MACHINE</del>	TH	2009-10-20	R2 000 000,00
<del>ELEKTRA LINEAR ACCELERATOR</del>	TH	2010-01-18	R6 355 500,00
<del>GAMMA CAMERA</del>	TH	2010-12-28	R2 604 958,84
CLARITY RETCAM IMAGING SYSTEM	TH	2011-03-30	R1 141 000,00
MICROSCOPE NEURO	GH	2011-12-28	R2 971 483,62

# System / Data Set III

Group Description	WCGH NOMENCLATURE	Alt_Description	'2021/22	'2022/23	'2023/24	'2024/25
CLIN. DIAG. SCOPES	<del>NEPHROSCOPE, RIGID</del>	(none)	51 836	55 257	58 738	62 262
CLIN. DIAG. SCOPES	PROCTOSCOPE SYSTEM WITH ALL ACCESSORIES AND INSTRUMENTS	(none)	34 557	36 838	39 159	41 508
CLIN. DIAG. SCOPES	SIGMOIDOSCOPE (COMPETE WITH ALL ACCESSORIES AND INSTRUMENTS)	SIGMOIDOSCOPIES, FLEXIBLE, VIDEO	345 571	368 379	391 586	415 082
CLIN. DIAG. SCOPES	SINUSCOPE	ENDOSCOPES, RESPIRATORY TRACT	25 918	27 628	29 369	31 131
CLIN. DIAG. SCOPES	TONOMETER GOLDMAN	TONOMETERS OPHTHALMIC	86 393	92 095	97 897	103 770
CLIN. DIAG. SCOPES	URETEROSCOPE, RIGID	URETEROSCOPIES RIGID	120 950	128 933	137 055	145 279
CLIN. DIAG. SCOPES	URETEROSCOPE, SEMI-RIGID, FIBRE-OPTIC	URETEROSCOPIES	345 571	368 379	391 586	415 082
CLIN. DIAG. SCOPES	WASHER, ENDOSCOPE	WASHERS, FLEXIBLE ENDOSCOPE	578 831	617 034	655 907	695 262
CLIN. EMERG./SURG.	ASPIRATOR/IRRIGATOR FOR LAPAROSCOPY	ASPIRATORS, ENDOSCOPIC IRRIGATION	60 475	64 466	68 528	72 639
CLIN. EMERG./SURG.	CELL SAVER AUTOTRANSFUSION BLOOD PROCESSING UNIT	AUTOTRANSFUSION UNITS, WHOLE BLOOD	518 356	552 568	587 380	622 622
CLIN. EMERG./SURG.	EXTRACTOR, VACUUM, OBSTETRIC WITH ACCESSORIES	EXTRACTOR, VACUUM, OBSTETRIC, ELECTRIC	34 557	36 838	39 159	41 508
CLIN. EMERG./SURG.	LAPAROSCOPIC APPLICATOR COMPLETE	LAPAROSCOPE	431 964	460 473	489 483	518 852
CLIN. EMERG./SURG.	SUCTION MACHINE, BATTERY OPERATED	ASPIRATORS, EMERGENCY	7 775	8 289	8 811	9 339
CLIN. EMERG./SURG.	SUCTION MACHINE, ELECTRICAL	ASPIRATORS	8 294	8 841	9 398	9 962
CLIN. EMERG./SURG.	<del>SUCTION UNIT, ELECTRIC, MOBILE</del>	ELECTRIC SUCTION UNIT MOBILE	8 639	9 209	9 790	10 377
CLIN. EMERG./SURG.	SUCTION UNIT, OBSTRETIC, WITH ACCESSORIES	OBSTRETIC SUCTION UNIT AND ACCESSORIES	8 639	9 209	9 790	10 377
CLIN. LIFE-SUPPORT	ANAESTHESIA MACHINE ADVANCED (TERTIARY)	ANAESTHESIA UNITS	1 468 676	1 565 609	1 664 242	1 764 097
CLIN. LIFE-SUPPORT	ANAESTHESIA MACHINE BASIC WITH MONITORING	ANAESTHESIA UNITS	950 320	1 013 041	1 076 863	1 141 475
CLIN. LIFE-SUPPORT	ANAESTHESIA MACHINE WITHOUT MONITORING	ANAESTHESIA UNITS	691 142	736 757	783 173	830 163
CLIN. LIFE-SUPPORT	ANAESTHESIA MACHINE/ MONITOR/ VENTILATOR SCAVENGER	ANAESTHESIA UNITS	691 142	736 757	783 173	830 163
CLIN. LIFE-SUPPORT	CPAP MACHINE	POSITIVE AIRWAY PRESSURE UNITS, CONTINUOUS	77 753	82 885	88 107	93 393
CLIN. LIFE-SUPPORT	DEFIBRILLATOR, AUTOMATIC	DEFIBRILLATORS, EXTERNAL, AUTOMATIC	95 032	101 304	107 686	114 147
CLIN. LIFE-SUPPORT	DEFIBRILLATOR, AUTOMATIC EXTERNAL (AED)	DEFIBRILLATORS, EXTERNAL, AUTOMATIC	34 557	36 838	39 159	41 508
CLIN. LIFE-SUPPORT	DEFIBRILLATOR, AUTOMATIC WITH PACING	(none)	129 589	138 142	146 845	155 656
CLIN. LIFE-SUPPORT	DERMATOME, COMPLETE WITH MESHER AND BLADES	DERMATOMES	190 064	202 608	215 373	228 295

# System / Data Set IV

Alternative Description	UMDNS Code	WC CODE	Standard Description (UMDNS Format)	Estimated Price
Ventilator, Emergency Medicine	20746	N/A	Ventilators	R 280 000,00
Ventilator, High Care/ICU	15613	N/A	Ventilators, Intensive Care, Adult	R 230 000,00
Ventilator, high frequency (oscillator)	15613	N/A	Ventilators, Intensive Care, Neonatal/Pediatric, High Frequency	R 450 000,00
Ventilator, Infant	15613	N/A	Ventilators, Intensive Care, Neonatal/Pediatric	R 300 000,00
Ventilator, adult/paediatric	15613	N/A	Ventilators, Intensive Care	R 280 000,00
Ventilator, non-invasive positive pressure breathing (CPAP) adult	15613	N/A	Ventilators, Noninvasive Positive Pressure	R 280 000,00
Ventilator, portable/transport	18098	N/A	Ventilators, Transport	R 280 000,00
Ventilator, Bi-PAP	15613	N/A	Ventilators, Intensive Care, Neonatal/Pediatric, High Frequency	R 230 000,00
Ventilator, non-invasive positive pressure breathing (CPAP), infant	15613	N/A	Ventilators, Noninvasive Positive Pressure	R 80 000,00
CPAP machine	11001	N/A	Positive Airway Pressure Units, Continuous	R 45 000,00
Flow meter, single	11748	N/A	Flowmeters, Gas	R 1 000,00
Anaesthetic gases module	20778	N/A	Physiologic Monitor Modules, Anesthetic Gas	R 50 000,00
Monitor, EtCO2 module	20776	N/A	Physiologic Monitor Modules, Exhaled Carbon Dioxide	R 50 000,00
Flow Meter Double	11746	N/A	Flowmeters, Gas	R 1 200,00
Monitor, central station	20179	N/A	Monitors, Central Station	R 170 000,00
ECG machine, 12-lead	11407	N/A	Electrocardiographs	R 56 000,00
Monitor, multi-parameter, MRI compatible	17588	N/A	Monitors, Patient	R 6 200 000,00
Monitor, coagulation pre- and post operative screening	15098	N/A	Monitors, Patient	R 550 000,00
Monitor, ICU/Theatre (NIBP, ECG, O2 SAT, Temp capnography and auto agent analyser)	20172	N/A	Monitors, Bedside, Physiologic, Configured	R 300 000,00
Monitor, ICU, all parameters	20172	N/A	Monitors, Bedside, Physiologic, Configured	R 250 000,00
Monitor, multi-parameter, with invasive BP, transport	17588	N/A	Monitors, Patient Transport	R 200 000,00
ACT analyser	12586	N/A	Anti-clotting timer	R 120 000,00
Monitor, transpulmonary thermodilution	10615	N/A	Cardiac Output Units, Thermal Dilution	R 70 000,00
Monitor, bedside (NIBP, ECG, O2 SAT, Temp)	20172	N/A	Monitors, Bedside, Physiologic, Configured	R 50 000,00
Monitor, Vital signs (NIBP, SPO2 & Temp)	16764	N/A	Monitor, Vital Signs	R 42 000,00
Monitor, Vital signs (NIBP, SPO2)	16764	N/A	Monitor, Vital Signs	R 35 000,00

# System / Data Set V

PurchDate	Year of Purchase	Age (Years)	Order Number	Purchase Price	Equipment Name	Make	Model	Serial Number
2020-03-02	2020	1	911916MT449792	R 497 577	COLONOSCOPE VIDEO	OLYMPUS	CF-HQ190L	2982279
2020-02-28	2020	1	911212/MT472257	R 909 377	TABLES OPERATING	MAQUET	MEERA 7200	2098
2020-02-28	2020	1	911212/MT472257	R 909 377	TABLES OPERATING	MAQUET	MEERA 7200	2198
2020-02-28	2020	1	911212/MT472257	R 909 377	TABLES OPERATING	MAQUET	MEERA 7200	2189
2020-02-28	2020	1	911728MT449788	R 495 849	MOBILE X-RAY UNIT	SHIMADZU	EVOLUTION	00MPF166CAA1001
2020-02-28	2020	1	909893MT449728	R 494 500	MAGNETIC RESONANCE SCANNER	SIEMENS	AERA	41800
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21463
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21465
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21464
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21471
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21471
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21473
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21469
2020-02-27	2020	1	911550MT472288	R 334 888	VENTILATOR	HAMILTON	C1	21470
2020-02-27	2020	1	911550MT472288	R 288 438	VENTILATOR	HAMILTON	C1	21473
2020-02-27	2020	1	911550MT472288	R 288 438	VENTILATOR	HAMILTON	C1	21472
2020-02-27	2020	1	911550MT472288	R 288 438	VENTILATOR	HAMILTON	C1	21466
2020-02-27	2020	1	911550MT472288	R 288 438	VENTILATOR	HAMILTON	C1	21467
2020-02-27	2020	1	905719MT466340	R 167 851	FLEXIBLE CYSTOSCOPE/URETROSCOPE	OLYMPUS	URF-P7	2902066
2020-02-24	2020	1	910714MT449765	R 499 698	ENDOSCOPIC CAMERA SYSTEM	OLYMPUS	OTV-S200	7032299
2020-02-24	2020	1	910827MT457233	R 432 555	DIODENOSCOPE VIDEO	OLYMPUS	TJF-Q 180V	2934226
2020-02-21	2020	1	910575MT472171	R 1 499 998	ULTASOUND UNIT WITH PROBES	GE	E95	AU11086
2020-02-21	2020	1	910535MT449762	R 491 194	ULTASOUND UNIT WITH PROBES	FUJI	SONOSITE	04PVN6
2020-02-20	2020	1	911656MT472308	R 2 007 349	ULTASOUND UNIT WITH PROBES	BK MEDICAL	FLEX FOCUS800	5014043
2020-02-20	2020	1	911656MT472308	R 2 007 349	ULTASOUND UNIT WITH PROBES	FLEX FOCUS 800	1202	S014043
2020-02-20	2020	1	910429MT449759	R 493 163	CAMERAS	STORZ	TC 300	YQ817279-P
2020-02-20	2020	1	910432MT472132	R 453 806	VIDEO IMAGE PROCESSORS	OLYMPUS	CV-190 EXERA III	7948514
2020-02-20	2020	1	n/a	R 350 000	ULTASOUND UNIT WITH PROBES	GE	E6	D52532



# System / Data Set VI

Description	AssetTypeDescription
Anaesthetic Machine	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine Wato E65 Mindray	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine Draeger Fabius CW-C121AN Panasonic	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine Fabius	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine Fabius-S/N ARWM 0063	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine Wato E 65 Mindray-S/N DA8910005	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine Wato E65 Mindray	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine-SN ME12120620	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine-SN ME12120622	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine-SN ME12120623	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anaesthetic Machine-SN-ME12120623	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Aneasthesia Apparatus, Drager Primus	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS , LOW GAS;FLOW WITH VENTILATOR, DRAGER, FABIUS CE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS , LOW GAS;FLOW WITH VENTILATOR, DRAGER, FABIUS CE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS , LOW GAS;FLOW WITH VENTILATOR, DRAGER, FABIUS CE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS , LOW GAS;FLOW WITH VENTILATOR, DRAGER, FABIUS CE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS , LOW GAS;FLOW WITH VENTILATOR, DRAGER, FABIUS CE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS ,LOW GAS;FLOW WITH VENTILATOR, DRAGER, FABIUS CE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHESIA APPARATUS ,WITH DELTA MONITOR, DRAGER PRIMUS MODEL 860380	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ANESTHETIC MACHINE	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Anesthetic Machine	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
Ohmeda S 5 Aespire Ohmeda 7100 Monitor, BH0000000827028	Anesthetic Machine (UMDNS:10134, Anesthesia Units)
ARTHROSCOPE , SMITH & NEPHEW, DIRECT VIEW, 4 MM 30°, 160 MM WORKING LE	ArthroScope (UMDNS:10198, Arthroscopes)
Arthroscopy Pump	ArthroScope (UMDNS:10198, Arthroscopes)
Audio level meter, OAE and ABR. GSI Audio Screener HASS	Audiometer
Audiobooth Hass Group	Audiometer
Audiometer	Audiometer
Audiometer	Audiometer

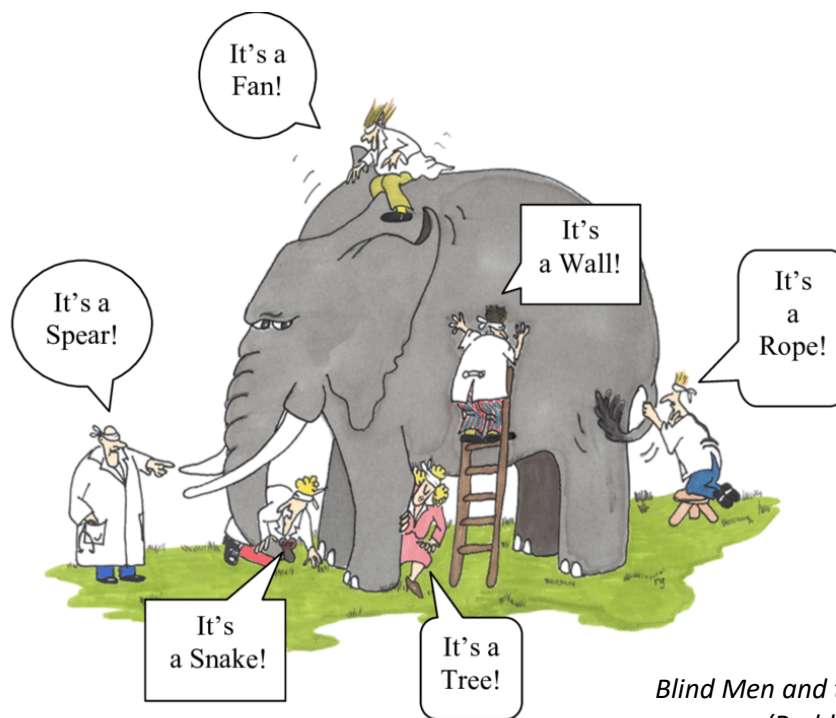
# System / Data Set VII

In combining incomplete and non-standardised data sets of variable integrity and completeness ....

## EQUIPMENT INSTALLATION DATES

Type equipment	EQUIPMENT
Ultrasound	Edan Acclarix Lx8
CR Single slot	<b>Fujifilm FCR Capsula XL II</b>
CR Single slot	<b>Fujifilm FCR Capsula XL II</b>
3Mp monitor	<b>Eizo Radiforce RX360 3Mp monitor (1 Monitor)</b>
Bucky room	Shimadzu UD 150L-40E (floor mounted)
Mobile	Shimadzu MUX – 100 mobile
Ultrasound	Toshiba SSA 550A Nemio 17 U/S (facility asset)
CR Single slot	AGFA NX-30 CR reader
3Mp monitor	Barco 3Mp Monitors (1 Monitor)
Retrofit	Agfa Retrofit/DR panels – DX-D 40G
Ultrasound	<b>Sonoscape portable Doppler system</b>
Ultrasound	Mindray M7 potable laptop U/S (Drakenstein)
Ultrasound	Mindray M7 potable laptop U/S (Breedevallei)
Bucky room	Shimadzu UD 150L-40E ceiling suspension
Mobile	Shimadzu MobileArt ECO MUX-10
Ultrasound	Toshiba Nemio MX U/S
CR Single slot	Carestream Directview Classic CR reader
CR Single slot	Carestream Directview Classis CR reader
3Mp monitor	3Mp monitor (1 Monitor)
Bucky room	Shimadzu UD 150L-40 (ceiling suspension)
Mobile	Shimadzu MUX – 100H mobile
CR Single slot	Fujifilm FCR Capsula XL II CR reader
CR Single slot	Fujifilm FCR Capsula XL II CR reader
3Mp monitor	Eizo Radiforce RX350 3Mp monitor
Bucky room	Shimadzu UD 150L-40E (ceiling suspension)
Ultrasound	Sonoscape S22 U/S
CR Single slot	<b>Fujifilm FCR Capsula XL II CR reader</b>
CR Single slot	<b>Fujifilm FCR Capsula XL II CR reader</b>

.... the task often becomes one similar to:



*Blind Men and the Elephant  
(Buddhist parable)*

# Status Quo / next steps

## Multiple data sets

.... inconsistent, not aligned, of varying quality, on different platforms

## Optimised life-cycle management hampered

.... and *therefore* **access** to medical devices and *ultimately* **Universal Health Coverage**

## Clean-up, alignment and integration of data sets

.... build value-add **hierarchy**: *data -> information -> evidence -> knowledge -> practice*

## Moving to a standardised nomenclature

.... a single MDNS will not align with all needs (*one size does not fit all*)

.... focus as HT Managers and Clinical Engineers at the service coalface is an MDNS that is robust, accessible and user-friendly given the many different user profiles (many non-technical)

.... **WHO Open-Source (EMDN)**; **links to MeDevIS (disease burden & related interventions)**

.... SAHPRA (regulatory authority) likely to continue using GMDN (aligned with IMDRF)

## WHO Open-Source MDNS and related Mapping initiative is timely and welcomed

- will have significant and lasting impact in the achievement of UHC



Thank you for this opportunity



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