

Healthcare Technology Management includes:

- making the right technologies available (effectiveness);
- in full functionality (performance);
- with minimal risk to patients and health workers (safety);
- while reducing systemic inefficiencies and associated wastage

Maximising Access, Availability and Utilisation
Minimising Cost, Inefficiency and Risk

Promoting Awareness, Sharing Experiences, Building Competency and Gathering Evidencein support of quality healthcare delivery

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January							February							March						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31

April							May							June							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6	7			1	2	3	4	5						1	2
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	
29	30						27	28	29	30	31			24	25	26	27	28	29	30	

July							August							September							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
	1	2	3	4	5	6	7				1	2	3	4							1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	9	10	11	12	13	14	15	
15	16	17	18	19	20	21	12	13	14	15	16	17	18	16	17	18	19	20	21	22	
22	23	24	25	26	27	28	19	20	21	22	23	24	25	23	24	25	26	27	28	29	
29	30	31					26	27	28	29	30	31		30							

October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3							1
7	8	9	10	11	12	13	4	5	6	7	8	9	10	9	10	11	12	13	14	15
14	15	16	17	18	19	20	11	12	13	14	15	16	17	16	17	18	19	20	21	22
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28	29	30	31				25	26	27	28	29	30		30	31					

Best-Practice HTM





PLANNING: There is an evidence-based strategy for acquisition and utilisation of healthcare technologies, addressing the major societal needs and based on proper needs assessment, with identification and allocation of required resources.

PROCUREMENT: Healthcare technologies acquired meet operational requirements, have been properly installed, are affordable and have competent users and maintainers to support their application in the clinical environment.

ASSET MANAGEMENT: All physical assets are fully functional and utilised to their full potential over their expected life-time, and monitored using management information systems and related performance indicators.

RISK MANAGEMENT: Patients and health workers are not exposed to avoidable hazards from medical devices, healthcare equipment and the physical environment.

HTM Framework

ACQUISITION	PLANNING  ↓	Strategy Needs Assessment Allocation Prioritisation
	PROCUREMENT 	Specification Provisioning Acceptance Training
UTILISATION	ASSET MANAGEMENT  ↓	Performance Records Audits Maintenance
	RISK MANAGEMENT 	Profiling Alerts Safety Checks Training

HTM 'Chair'

4 Processes supporting healthcare technologies



$$HTM = P_L + P_R + A_M + R_M$$

i.e. SNAP + SPAT + PRAM + PAST

HTM Best-Practice corresponds to a balanced chair that is well constructed

Improved Quality of Care through better Technology Management



HTM: "...the goal of optimising the acquisition and utilisation of technology to achieve maximum beneficial impact on health outcomes."

HTM Best-Practice Campaign



UNIVERSITY OF CAPE TOWN