SAFE SURGERY SAVES LIVES INITIATIVE

Implementation Guidelines



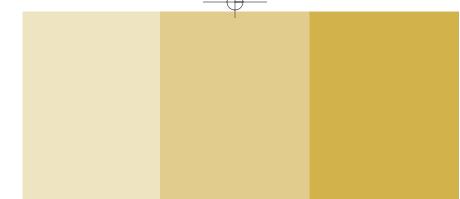
"Safer Surgery Through Better Communication"



Quality In Medical Care Section Medical Development Division Ministry of Health Malaysia Nov 2009



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SAFE SURGERY SAVES

Implementation Guidelines



Quality In Medical Care Section Medical Development Division Ministry of Health Malaysia Nov 2009

Foreword by THE DIRECTOR-GENERAL OF HEALTH MALAYSIA



The Ministry of Health Malaysia has a "Vision for Health" that mandates the development of a safe Malaysian healthcare system, which is attained through the coordinated and concerted efforts of all the major stakeholders, and especially that of the "front-line" staff, often termed those at the "sharp end" of health care, where unfortunate clinical incidents often manifest. These front-liners often unfairly bear the brunt of the blame heaped upon the health care system. The MOH has thus seen it fit to adopt the approach recommended by patient safety experts throughout the world i.e. the "systems approach" to patient safety which states that errors are more commonly caused by faulty systems, processes, and conditions that cause people to make mistakes or fail to prevent them.

To build a culture of safety in our health care organizations, health care leaders must ensure that, in their organizations, "incidents" such as surgical mishaps must be routinely reported without the fear of unjust retribution on the part of the unfortunate health care worker. When people are not afraid to report adverse incidents because of the existence of a "just culture" where, when things go wrong, no one is immediately assigned blame ("blame culture"), only then will we be able to collect accurate and honest data about incidents, analyse them and learn important lessons from them and, in the process, improve our systems and processes so that the care that we provide will be safer.

For 2009, I am pleased that the Ministry of Health Malaysia has undertaken a number of note-worthy patient safety projects such as the "Safe Surgery Saves Lives" campaign, led by the Peri-operative Mortality Review (POMR) Committee and ably supported by the Quality in Medical Care Section, Medical Development Division, Ministry of Health Malaysia. The POMR Committee has, to its credit, expanded its mandate from auditing peri-operative deaths to taking a pro-active approach to Risk Management by implementing patient safety solutions. Because "safety is everyone's business", let us all work together in the spirit of teamwork and learning to make our health care system a safer one in 2010. "Success does not consist in never making mistakes but in never making the same one a second time".

Tan Sri Dato' Seri Dr. Hj. Mohd Ismail Merican Director-General of Health Malaysia

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Contents

Part	Topic	Page
1.	Introduction	9
2.	"Using The Check List"	13
3.	Ministry of Health Malaysia – "Peri-operative Check List"	19
4.	Summary of Roles & Responsibilities – "Who to Do What, Where, When"	25
5.	Implementing Safe Surgery Initiative – Task of the 'Safe Surgery' Committee	27
6.	Data Collection The forms: SSSL_1a to SSSL_5b 	29
7.	"Safe Surgery Saves Lives" Power Point Presentation Templates	39
	• WHO "Safe Surgery Saves Lives" (Overview)	41
	 "Safe Surgery Saves Lives" Implementation Strategy (WHO Recommendations) 	63
	Ministry of Health Malaysia "Safe Surgery Saves Lives" Initiative	71
8.	Appendices	93
	 Appendix 1 – WHO Objectives of "Safe Surgery Saves Lives" Initiative 	94
	• Appendix 2 – WHO "Surgical Safety Check List"	95

01

Introduction

INTRODUCTION

'Safe Surgery Saves Lives' (SSSL) is the second of a series of World Health Organisation's Patient Safety Challenges initiated in 2004 after the formation of the World Alliance for Patient Safety (WAFPS). This alliance aims to promote patient safety through political as well as professional commitment to this very important element of health care quality i.e patient safety.

Four strategies were introduced by the SSSL Steering Committee to address this challenge and they include:

- 1. Promotion of surgical safety as a public health issue.
- 2. Improving communication and team building to ensure safer surgery.
- 3. Creation of a check list to improve the standards of surgical safety
- 4. Collection of 'Surgical Vital Statistics'

The College of Surgeons Malaysia was represented by its president during the launching of this initiative on June 25th 2008 in Washington DC. This effort was endorsed during the Patient Safety Council of Malaysia meeting in May 2008. The Perioperative Mortality Review (POMR) Committee was entrusted to launch this initiative in Malaysia.

A `Safe Surgery Saves Lives' Steering Committee was formed in the Ministry of Health (MOH) in September 2008, chaired by the Chairman of the Perioperative Mortality Review (POMR) Committee. Its members consists of surgeons, anaesthetists, the staff and Ministry of Health officers. This efforts are supported and coordinated by the Quality in Medical Care Section, Medical Development Division, Ministry of Health Malaysia. The committee is responsible for initiating and ensuring the implementation of this initiative in MOH hospitals.

On top of the ten objectives laid down by WHO *(Refer to Appendix 1),* the Committee proposed three additional objectives with emphasis on communication, namely to improve:

- 1. The understanding of the process of surgery by patients and relatives
- 2. Communication between operating team members
- 3. Rapport between the patient and the operating team

Thus, for this initiative, the Ministry of Health adopted the theme **`Safer Surgery Through Better Communication'.**

The **WHO Surgical Safety Check List** *(Refer to Appendix 2),* was adapted to be used in MOH hospitals after some modifications and trial runs to suit local conditions. Existing check lists in the MOH related to peri-operartive care were also modified and used with the modified WHO Check List. The new and standardized Ministry of Health Check List, which will be used in all Ministry of Health hospitals, is known as the 'Peri-operative Check List'. It consists of four components:

- 'Pre-Transfer Check List'
- 'Operating Team Check List'
- 'Swab Count Form'
- 'Post-Operative Transfer Check List'

The check list was pilot-launched in six selected hospitals in February 2009, following a workshop involving all stake-holders. This check list was evaluated on April 27th 2009. The response was very encouraging with usage ranging from 80-100%.

Among the recommendations made to improve patient safety and communication are pre-operative and post-operative visits by operating surgeons.

Data to be collected include the implementation of this initiative, information regarding incidents during surgery, resources, work load and surgical outcomes. Formats to be utilized include the following:

- Report of Incident/Instrument Failure At The Operating Room (Daily) SSSL_1a
- Report of Incident/Instrument Failure At The Operating Room (Monthly)
 SSSL_1b
- 'Discovery' Report (i.e Report On Issues Discovered Related To Check List) (Daily) SSSL_2a
- 'Discovery' Report (i.e Report On Issues Discovered Related To Check List) (Monthly) SSSL_2b
- 'Surgical Vital Statistics' -Resources & Work Load SSSL_3
- 'Surgical Outcome Statistics' **SSSL_4**
- Evaluation of 'Peri-Operative Check List Usage (Departmental Level) SSSL_5a
- Evaluation of 'Peri-Operative Check List Usage (Hospital Level) SSSL_5b

All the MOH hospitals are expected to use the check list by 2010. It is hoped that this effort will be able to meet its stated objectives.

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- To err is human, even for surgeons, Felice J.Freyer, http://www.projo.com/news/content/WRONG_SITE_SURGERY_08-12-07_RD6NB7S.3391c3e.html

02

"Using The Check List"

"USING THE CHECK LIST"

ROLES AND RESPONSIBILITIES - "WHO DOES WHAT?"

This 'Ministry of Health Peri-Operative Check List' is a 4-page form. It consist of :

- Page 1: Pre-operative check list
- Page 2: Operating team check list
- Page 3: Swab and instrument count form
- Page 4: Pre-discharge check

The second page (i.e Operating Team Check List) is a modification of the 'WHO Surgical Safety Check List'.

PAGE 1 PRE-OPERATIVE CHECK LIST

This check list is used before sending the patient to the theatre and at the Reception Area of the OT.

- The 'Patient Profile' section is filled in the ward by the ward nurse before sending the patient to the Operating Theatre (OT).
- The 'Pre-Tranfer Check' section under the `Ward' column is filled by the ward nurse before sending the patient to OT.
- The `OT' column is filled by the OT nurse at the Reception area of the OT.
- The lower section of the form, `INFORMATION ON OPERATING ROOM/ SURGEON / TIME OF SURGERY' is filled in the OR by the Circulating Nurse.

PAGE 2 OPERATING TEAM CHECK LIST

This is the check list adapted from 'WHO Surgical Safety Check List'. It is used in the Operating Room before starting till the completion of surgery.

The Checklist Co-ordinator is usually the Circulating Nurse. It can also be other members of the team if agreed by the team. The operating surgeon may also take the lead as the Co-ordinator with the circulating nurse assisting in the check list entry.

THE `SIGN-IN'

This is preferably done before Induction Of Anaesthesia

The anaesthetist checks the items in this section. The checklist coordinator then counter-checks with him if it has been done.

This section is checked with the anesthesia professional before induction of anaesthesia.

THE `TIME-OUT'

This section is done in the presence of the surgeon, scrub nurse and anaesthesia professional. This must be done before skin incison or preferably, before induction of anaesthesia.

The adherence to this section of the checklist should eliminate the possibility of the patient being induced and kept waiting for the surgeon to turn up.

"WHITE BOARD"

The White Board in the operating room shall be used to display information on the current patient and operation. This includes – name of patient, diagnosis, procedure and members of the operating team; antibiotic requirement, implant size, special positioning, on-table x-rays and other special requirement or reminders. This should be done by the operating surgical team before the start of surgery.

INTRA-OPERATIVE COMMUNICATION

This is an additional section that encourages communication between team members during the surgery. It has 4 components.

(i) CHECK-IN

 The surgeon, after having completed the cleaning and draping process, communicates with the anaesthetist and scrub nurse to determine their readiness to commence surgery. Only when both have indicated so, should the surgeon initiate the skin incision.

- This is announced verbally and is usually agreed as the time `operation commenced'.
- In practice, the surgeon asks the anaesthetist and the scrub nurse, "can we start?'

(ii) **PERIODIC UPDATES**

- For operations exceeding 1 hour in duration, if the surgery is running smoothly, it is a good practice to communicate the situation among the members of the operating team. This should be done at regular intervals such as half-hourly.
- The surgeon should inform the anaesthetist of the progress of the surgery. Similarly, the anaesthetist should update the surgeon about the patient's vital signs. This will include blood pressure, pulse, temperature and urine output, depending on the nature of the surgery.

(iii) SHOUT-OUT

- This refers to the act of vocalising clearly to the appropriate team members about certain intra-operative events in order to obtain undivided attention of a specific team member to the event.
- An example is when a pack is inserted into the abdominal cavity, the surgeon should `shout-out' "ONE PACK IN!" The scrub nurse takes note of it and repeats the `shout-out' to the circulating nurse. The same is done when the pack is removed from the cavity. The surgeon should ` shoutout' "ONE PACK OUT!".
- This does not replace the system of tags placed at the end of packs or other forms of reminders already in place.
- Other events that deserve `shout-outs' are :-

When instruments, gauzes have fallen off the operating field on to the floor.

When there is critical equipment malfunction, "diathermy not coagulating!"

When there is excessive bleeding, the surgeon should `shout-out ' to the anaesthetist so that he is aware of the situation. This will enable him to prepare for the worst.

When the patient turns unstable, the anaesthetist should `shout-out' the situation to the surgeon. The surgeon may want to pause or review his actions.

(iv) PRE-CLOSURE DISCLOSURE

- The surgeon informs members of the team of the conclusion of the procedure before commencing the closure of the surgical wound.
- This will enable the anesthetist to plan for reversal.
- The scrub nurse can commence the final swab and instrument count. She will inform the surgeon when this is done and correct.
- This is also an appropriate time to plan for the calling of the next case.

THE `SIGN-OUT'

- This is also called debriefing.
- The surgeon summarises the operative findings and procedure. He will verify what specimen will be sent and how it should be labelled.
- The anaesthetist will discuss any special post-operative instructions with the team at this juncture.
- Any instrument issues to be addressed will be summarised.

INFORM THE RELATIVES

Informing / communicating with relatives after the procedure is encouraged. How this is done depends on the local OT set-up and the public expectation. In some instances, operative specimens are also shown to the relatives. This usually enhances communication.

PAGE 3 SWAB AND INSTRUMENT COUNT FORM

- This is similar to most swab count forms in-use now.
- If two different operating teams operate on the same patient, two different swab count forms should be used.
- Any issues, incidences or instrument malfunctions in the Operating Room should be recorded in the "incidences" section of this form form. Example, blunt scissors, diathermy malfunction or unsatisfactory temperature/humidity. This is later transferred to a `Faulty Instrument' file for remedial action by the OT manager.
- If more than two scrub nurses scrub for the same case, just add the name after the first scrub nurse following a slash (/). The time that the 2nd nurse joined the team can be documented above the name. The same applies to the circulating nurse.

PAGE 4 PRE-DISCHARGE CHECK

This is done by the Ward Nurse, together with the Recovery Room Nurse before the patient leaves the OT.

*The completed Peri-Operative Check List Form will be put in the patient's case



Ministry of Health Malaysia 'Peri-Operative Check List'

PRE-OPERATIVE CH	ECK I	IST	
ATIENT PROFILE			
be filled by Ward Staff)			
me :	I.C. no. :		
e : Race :			
it : Ward :		-	
agnosis :			
ecked by (Ward Staff) :			
eched by (ward starr)	contact pe		NO
RE-TRANSFER CHECK	OT humber of	Desertion	
done by the Ward Nurse before sending patient to OT and at Reception Area in	Ward		Nurse) Remarks
1. Patient's Name Identity Tag			
2. Consent for Surgery Anaesthesia Transfusion			
3. Check side of operation LEFT RIGHT NA			
4. Site (location) of operation marked? YES NO			
5. Last meal : Date Time			
 Check for dentures, jewellery, contact lenses etc: 			
7. Premedication (write drug given)			
8. Blood availability (write what is available)			
9. Case notes Old notes X-rays			
10. B/P : Pulse rate :			
Handed over by (Ward Nurse) :			
Received by (OT Nurse) :			

]			Anticipated critical events
	Checked patient's		Surgeon reviews : Any special steps, estimated
	IdentitySite		duration, possible excessive blood loss?
	Procedure Consent		Anaesthesia team reviews : Any patient-specific concerns?
	Site marked Yes No NA		patient-specific concerns? Nursing team reviews : Instrument sterility
]	Checked GA machine		confirmed, implants / prosthesis available /
]	Puise oximeter on patient and functioning]	
	Checked patient's :	DURI	NG PROCEDURE
	Allergy? ☐ No ☐ Yes	INT	RA-OPERATIVE COMMUNICATION
	Airway / Aspiration risk?		Check-In
	No Yes		Periodic updates
	Risk of > 500ml blood loss (adult) (>7 ml/kg in children)?		
	(>7 minkg in children):		Shout-out
	No Yes Adequate IV access?		snour-out Pre-closure disclosure
	No Yes Adequate IV access?	BEFC	Pre-closure disclosure ORE PATIENT LEAVES OPERATING
DUC	No Yes Adequate IV access? No Yes	BEFC	Pre-closure disclosure DRE PATIENT LEAVES OPERATING
DUC	No Yes Adequate IV access? No Yes	BEFC	Pre-closure disclosure ORE PATIENT LEAVES OPERATING M N OUT
	No Yes Adequate IV access? No Yes RE SKIN INCISION (OR BEFORE CTION OF ANAESTHESIA) OUT	BEFC ROO	Pre-closure disclosure ORE PATIENT LEAVES OPERATING M NOUT e verbally confirms with the team : The final name of the procedure
DUC	No Yes Adequate IV access? No Yes RE SKIN INCISION (OR BEFORE TION OF ANAESTHESIA) OUT "White board" written Team members have introduced themselves by name and role Surgeon, anesothesia professional and nurse have verbally confirmed	BEFC ROO	Pre-closure disclosure PRE PATIENT LEAVES OPERATING NOUT e verbally confirms with the team : The final name of the procedure (With proper spelling) Final count of instrument, sponges and
	No Yes Adequate IV access? No Yes RE SKIN INCISION (OR BEFORE CTION OF ANAESTHESIA) CUT "White board" written Team members have introduced themselves by name and role Surgeon, aneesthesis professional and	BEFC ROOD SIG	Pre-closure disclosure
	No Yes Adequate IV access? No Yes RE SKIN INCISION (OR BEFORE TION OF ANAESTHESIA) OUT "White board" written Team members have introduced themselves by name and role Surgeon, anaesthesia professional and nurse have verbally confirmed Site Procedure	BEFC ROOU SIG	Pre-closure disclosure
DUC TIME	No Yes Adequate IV access? No No Yes RE SKIN INCISION (OR BEFORE CTION OF ANAESTHESIA) BOUT "White board" written Team members have introduced themselves by name and role Surgeon, ansetthesis professional and nurse have verbaily confirmed • Patient • Site • Procedure • Consent	BEFC ROOI	Pre-closure disclosure

ETS & INSTRU										
asic set :					Supple	ement	ary :			
items	initiai count	Add	litional	Extra count	Add	litional	2nd count	Add	itional	Final count
Gauze										
Abdomina l pack				-			-			-
Blade										
Atraumatic needle										
Loose needle							_			
Diathermy cleaner										
							_			
peration(s) done : .										
SPECIMENS SI	ENT :				INCID	ENTS	/ EQUIPM	ENT F/	AILURI	E:
1										
2										
3										
4										
5										
14 Couch Marine						Inco - 4:				
1st Scrub Nurse :						-	те:			
					S	iynailli	'е :			

	Checked	Remarks
1. Patient's name ☐ Identity tag		
2. Consciousness level: □ Alert □ Drowsy □ In	Itubated	
3. Inform vital signs & pain score		
4. Check operative site / dressing		
5. Check drains, tubes and urinary ca	atheter	
6. Check IV lines and infusions		
7. Blood used and unused		
8. Specimens		
9. Case notes Old notes Operative notes After	X-rays□	
10. Check post-operative pain relief or	rder	
11.		
12.		
13.		
14.		
15.		
16.		
OT Nurse : (Name)		
Date :	Time :	
I	7 Through Better Comr Patient Safety Initiative Quality in Medical Care Section	nunication"
	Medical Development Division Ministry of Health Malaysia	

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04

Summary of Roles & Responsibilities

		SUMMAR Who	SUMMARY OF ROLES & RESPONSIBILITIES "Who To Do What, Where & When"	RESPONSIBILITI here & When"	ES	
Steps	Location (Where)	When	Process (What)	Who "Checks"?	In The Presence of	Who "Writes" On The List?
	Ward	Before sending the case to OT	Pre-op Check (pg1)	Ward Staff Nurse		Ward Staff Nurse
2	Reception Area in OT	On arrival in OT	Pre-transfer Check(pg1)	OT Reception Nurse	Ward Staff Nurse	OT Reception Nurse
3	Operating Room	On arrival in OR	Information on OR & Surgery (pg1)	Circulating Nurse		Circulating Nurse
4	Operating Room	Before the Surgeon enters	Sign In (Pg2)	Anesthetist	Anesthetic Assistant	Circulating Nurse
5	Operating Room	Before Induction	Time Out (pg2)	Surgeon	Scrub Nurse / Anesthetist	Circulating Nurse
9	Operating Room	During Procedure	Intra-op Communication (pg2)	Surgeon / Anesthetist	Scrub Nurse	Circulating Nurse
7	Operating Room	After Closure	Sign Out (pg2)	Surgeon	Scrub Nurse / Anesthetist	Circulating Nurse
œ	Operating Room	Before starting, before and after closure	Swab & Instrument Count(pg3)	Scrub Nurse	Surgeon / Circulating Nurse	Circulating Nurse
6	Recovery Area in OT	Before patient leaves OT	Pre-discharge Check (pg4)	Ward Staff Nurse	Recovery Room Nurse	Ward Staff Nurse
	,	'Safer Surgery Through B	etter Communication" -	"Safer Surgery Through Better Communication" - Patient Safety Initiative. Ministry of Health	Ministry of Health	



26



Implementing Safe Surgery Initiative -Task of the 'Safe Surgery' Committee

IMPLEMENTING SAFE SURGERY INITIATIVES -TASK OF THE 'SAFE SURGERY' COMMITTEE

OBJECTIVES

- 1. To obtain top level management commitment
- 2. To use Ministry of Health Peri-operative Check List
- 3. To monitoring 'surgical vital statistics'

PROCESS INVOLVED

- 1. Inform Hospital Director about 'Safe Surgery Saves Lives' (SSSL) Initiative.
- 2. Form a 'Safe Surgery Committee' at hospital level comprising of:
 - Heads of major discipline using the OT anesthetist, surgeon
 - Representatives from OT sister/staff nurse
 - Representatives from ward sister/staff nurse
 - Unit Quality of Hospital
- 3. Launch awareness
- 4. Conduct a half day workshop for users doctors, OT nurses & ward nurses
- 5. For State Hospital: Plan implementation of SSSL Initiative for other hospitals in the state.

OTHER ACTIVITIES

- 1. Monitor implementation of SSSL Initiative
- 2. Decide on printing of forms:
- a. To finish current stock of forms already printed
- b. To print new forms (i.e "Peri-operative Check List)
- c. To modify forms, as and when necessary
- 3. Incorporate SSSL into OT Committee agenda

ACTIVITIES AT NATIONAL LEVEL

- 1. National launching of SSSL Initiative together with seminar: 15-17 Nov 2009
- 2. Safe Surgery Review & Seminar: 2010 /2011 and periodically
- 3. Compile & analyse 'Surgical Vital Statistics'
- 4. Monitor implementation of SSSL

06 Data Collection

3	u -					
SSSL_1a Wat")	Date of Action Taken					
IM (DAILY) :t) ster/ <i>"Ketua Jurur</i> a	Review & Action by Nursing Sister (KJ)					
E OPERATING ROC rm' of the check lis by the Nursing Si	Name of Reporting Person					
T FAILURE AT TH m 'Swab Count Foi rea', checked daily	Type of Incident/ Instrument Failure					
REPORT OF INCIDENT/INSTRUMENT FAILURE AT THE OPERATING ROOM (DAILY) (Based on information from 'Swab Count Form' of the check list) filled in by the nurse at 'Recovery Area', checked daily by the Nursing Sister/ "Ketua	Type of Surgery					
REPORT OF INCIDENT/INSTRUMENT FAILURE AT THE OPERATING ROOM (DAILY) (Based on information from 'Swab Count Form' of the check list) (Form to be filled in by the nurse at 'Recovery Area', checked daily by the Nursing Sister/ "Ketua Jururawat")	Name of Patient					
(Form	OR					
	Date					

Examples of incident/instrument failure:

- Incident: Air-conditioning not functioning well, sharps injuries, surgeons arrive late, error in preparing the set, late arrival of blood Failure of instrument: surgical instrument not functioning well, diathermy not functioning •
 - •

No Type of Incident / Instrument Failure Total Immediate Action Preventive Action Prevenantive Action Preventive Action <th< th=""><th>Report of Incident/Instrument Failure at the operating Room (Monthly) Month/Year</th><th>TRUMENT</th><th>FAILURE AT THE OPEI /Year</th><th>ATING ROOM (MONTH</th><th>LY) SSSL_1b</th></th<>	Report of Incident/Instrument Failure at the operating Room (Monthly) Month/Year	TRUMENT	FAILURE AT THE OPEI /Year	ATING ROOM (MONTH	LY) SSSL_1b
	Type of Incident / Instrument Failure	Total	Immediate Action	Preventive Action	Notes

) SSSL_2a	Name of Reporting Person						
<pre>'DISCOVERY' REPORT (i.e REPORT ON ISSUES DISCOVERED RELATED TO CHECK LIST) (DAILY) (Form to be filled in by the nurse at 'Recovery Area', check daily by the Sister/Ketua Jururawat)</pre>	'Discovery'						
SSUES DISCOVERED RELAT covery Area', check daily by	Type of Surgery						
REPORT (i.e REPORT ON I. e filled in by the nurse at 'Re	Name of Patient						
'DISCOVERY' (Form to be	OR						
	Date						

Examples of 'discovery' related to check list: Error. e.g error in taking consent, check list not filled up, check list not being used, review findings are not similar to what being ticked in the check list. Near miss (detected before 'something bad'/incident happen).

32

'DISCOVERY' REPORT (i.e REPORT ON ISSUES DISCOVERED RELATED TO CHECK LIST) (MONTHLY) Month/Year				46 1000
	UES DISCOVERED R	ielated to check l	-IST) (MONTHLY)	000L_51
Issues Discovered		Total	Notes	



SSSL_3

SURGICAL VITAL STATISTICS' -RESOURCES & WORK LOAD DATA

A) Hospital Staff & Bed Strength

2. Anae 3. Orth 4. Plast 5. Opht 6. ENT 7. Obst	ral Surgery sthesia opaedics ics Surgery halmology	
3. Orthomagnetic 4. Plast 5. Opht 6. ENT 7. Obst	opaedics ics Surgery halmology	
4. Plast 5. Opht 6. ENT 7. Obst	halmology	
5. Opht 6. ENT 7. Obst	halmology	
6. ENT 7. Obst		
7. Obst		
8 Urolo	etrics and Gynaecology	
0. 01010	рду	
9. Paed	iatrics Surgery	
10.		
11. Othe	rs	
Total		

Number of Functional Operating Rooms in the Hospital
Number of Non-Functional Operating Rooms
Total No of OT Nurses/PPP (GA + Scrub)

B) Total No Of Operations Done (Month____/Year___)

	Discipline	Month	Month	Total	Year
1.	General Surgery				
2.	Orthopaedics				
3.	Plastics Surgery				
4.	Ophthalmology				
5.	ENT				
6.	Obstetrics and Gynaecology				
7.	Urology				
8.	Paediatrics Surgery				
9.					
10.	Others				
	TOTAL				

'SURGICAL OUTCOME STATISTICS'

A) Total No of Post-Operative Wound Infection

(Month of) / Year)

	Discipline	Month	Month	Total	Year
1.	General Surgery				
2.	Orthopaedics				
3.	Plastics Surgery				
4.	Ophthalmology				
5.	ENT				
6.	Obstetrics and Gynaecology				
7.	Urology				
8.	Paediatrics Surgery				
9.					
10.	Others				
	TOTAL				

B) Total No of Post-Operative Death

(Month of) / Year)

	Discipline	Month	Month	Total	Year
1.	General Surgery				
2.	Orthopaedics				
3.	Plastics Surgery				
4.	Ophthalmology				
5.	ENT				
6.	Obstetrics and Gynaecology				
7.	Urology				
8.	Paediatrics Surgery				
9.					
10.	Others (from record office)				
	TOTAL				

SSSL_4

EVALUATION OF PERI-OPERATIVE CHECK LIST USAGE (DEPARTMENTAL LEVEL)	Department :	CONSIDER YES (4) IF >90% FILLED	INTRA -OP SIGN TOTAL WE BRE- PRE- PRE POST COMM OUT (OUT OF) % SWAB DISCH -OP VISIT REMARKS UNICA VISIT * **																			
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VALUA			PRE-OP CHECK LIST																			
			PATIENT'S NAME																			
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	epart		CASE NO	 ci	ć	4.	5.	.9	7.	<i>∞</i>	6.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.

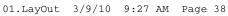
At least 2 persons required to carry out this audit – 1 in OR (best in Recovery), the other from the ward. PRE-OP VISIT * - Documented in case notes the operating surgeon saw the patient pre-operatively. POST-OP VISIT ** - Documented in case notes the operating surgeon saw the patient pre-operatively. This information is seeked in the ward after 1-2 days post-operatively.

SSSL 5a

36 "Safe Surgery Saves Lives Initiative" Implementation Guidelines

			_								
SSSL_5b				REMARKS							
		AC IN RHT		POST-OP VISIT							
ITAL LEVEL)				PRE-OP VISIT							
EVALUATION OF PERI-OPERATIVE CHECK LIST USAGE (HOSPITAL LEVEL)	Department :			PRE-DISCH CHECK							
ieck list u	on of Data C	NIIMRER COMPLIEN / LISEN (~90%)		SWAB COUNT							
PERATIVE CH	Durati	NI IMBER COMPLIE		INTRA-OP							
I OF PERI-OF				PRE-OP CHECK LIST							
EVALUATION				NO SAMPLED							
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"Safe Surgery Saves Lives Initiative" Implementation Guidelines 37





7.0

'Safe Surgery Saves Lives' Power Point Presentation Templates 01.LayOut 3/9/10 9:27 AM Page 40

7.1

Presentation 1

WHO 'Safe Surgery Saves Lives'

Dear Speaker,

Thank you so much for agreeing to be an ambassador for the Safe Surgery Saves Lives campaign. Now that we have entered the dissemination phase of our project, our success hinges upon the spread of knowledge and enthusiasm to stakeholders across the globe, and we cannot accomplish this without help from people like you.

This document is intended to supplement the "Speakers' Kit PowerPoint," providing you with both the key messages your presentation should cover as well as suggested talking points for each slide in the associated PowerPoint. Nonetheless, we understand that each speaking engagement is unique, and we encourage you to adjust the slides as well as the material covered to best serve your audience – please make the talk your own!

Finally, we suggest that you read the Safe Surgery Saves Lives FAQ (also provided) thoroughly before giving your presentation so that you are best able to answer any questions your audience may pose. Good luck, and as always, please contact us at safesurgery@hsph.harvard.edu or visit our websites, www.who.int/safesurgery and www.safesurg.org, if you have any questions.

Sincerely,

The Safe Surgery Saves Lives Team

Key Messages to Convey During Your Talk

- 1. Surgical safety is currently unrecognized as a public health issue.
- 2. Standards of care are unevenly applied in all countries and all settings.
- 3. The Safe Surgery Saves Lives campaign has created 10 objectives for surgical safety that have been incorporated into a simple checklist that can be implemented anywhere in the world.
- 4. The Checklist has been proven to dramatically decrease complications and deaths.
- 5. A country needs to measure its surgical services and outcomes in order to develop appropriate public health policies to address the needs of its population.

Talking Points for Powerpoint Presentation

- Slide 1 : World Alliance for Patient Safety: Safe Surgery Saves Lives • N/A
- Slide 2 : Surgical Public Health
 - Introduction
- Slide 3 : 3 Central Problems in Surgical Safety
 - Surgical safety is crippled by its lack of recognition as a public health problem, a dearth of relevant data, and a general failure to apply known standards of care consistently
- Slide 4 : Problem 1: Unrecognized as public health issue
 - Estimates show that approximately 234 million major operations are performed every year – one for every 25 human beings on Earth
- Slide 5 : Problem 1: Unrecognized as public health issue (cont.)
 - Already a serious public health issue, worldwide surgical volume is only expected to increase
- Slide 6 : Problem 1: Unrecognized as public health issue (cont.)
 - Surgery has high rates of morbidity and mortality at least 7 million people a year experience disabling surgical complications, and more than one million die

Slide 7 : Problem 2: Lack of Data on Surgery and Outcomes

- Public health campaigns rely on data collection, and yet we lack almost any fundamental data about global surgical services and outcomes
- Slide 8 : Problem 3: Failure to use existing safety know-how
 - Failure to consistently use proven standards of care means that problems persist with surgical site infections, anesthesia complications, and wrong-patient, wrongsite operations
- Slide 9 : The Safe Surgery Saves Lives Strategy
 - The SSSL Campaign strives to promote surgical safety as a public health concern, to develop a checklist to address this concern, and to collect data at a national level in order to inform future public health policies.
- Slide 10: WHO's 10 Objectives for Safe Surgery
 - Over a two year period, surgeons, nurses, anesthesiologists, and patient safety experts from around the world developed the following 10 objectives for safe surgery using peer-reviewed evidence and expert consensus.
- Slide 11: WHO's 10 Objectives for Safe Surgery (cont.) • N/A

Slide 12: Reality Check

 Although you may think that your hospital already does these things, use of the checklist is vital to ensure that all necessary steps are completed consistently

Slide 13: Advantages of Using a Checklist

- Given its simplicity and effectiveness, a checklist is the perfect tool to achieve these 10 objectives
- Slide 14: What is this tool that addresses the 10 objectives?
 - The experts generated this surgical safety checklist, designed to address all 10 of the objectives set forth in the WHO Guidelines for Safe Surgery

Slide 15:

• Sign In – to be performed just before the patient undergoes anesthesia

Slide 16:

• Time Out - to be performed just before the first incision

Slide 17:

 Sign Out – to be performed after the surgery is complete, usually while the surgeon is closing

Slide 18: The Checklist was piloted in 8 cities

 Once developed, this surgery checklist was tested in 8 pilot cities across the globe:

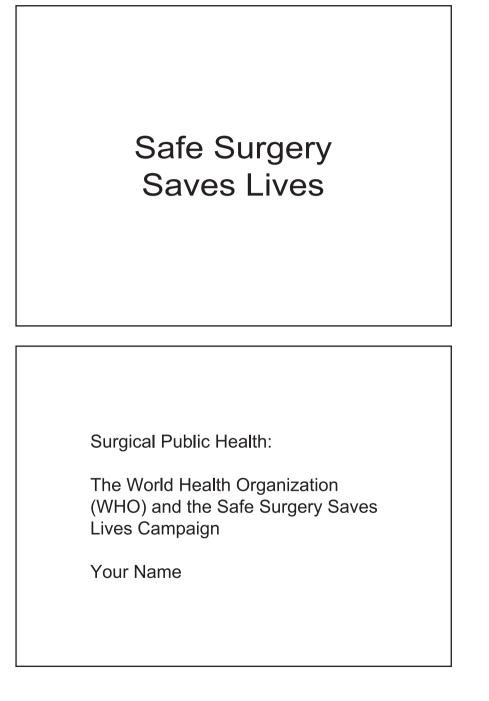
> Toronto, Canada London, United Kingdom Amman, Jordan Manila, Philippines Auckland, New Zealand New Delhi, India Ifakara, Tanzania Seattle, USA

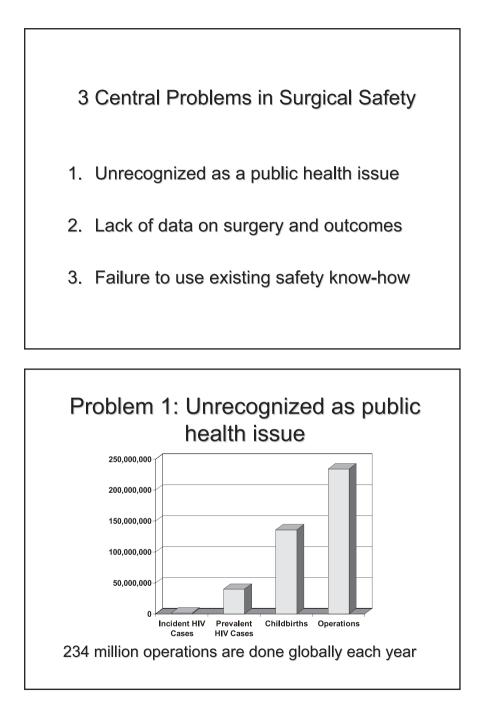
Slide 19: Results

- Across the board in both the developing and the developed nations where it was tested – the Checklist was found to increase adherence to basic standards and to reduce morbidity and mortality
- Slide 20: What problems does this checklist address?
 - The Checklist delineates key steps during perioperative care that should be accomplished during every operation in order to ensure correct patient, operation, and operative site
- Slide 21: What problems does this checklist address? (cont.)
 - Elements of the Checklist also encourage safe anaesthesia practice and resuscitation
- Slide 22: What problems does this checklist address? (cont.)
 - The Checklist helps minimize the risk of surgical site infection
- Slide 23: What problems does this checklist address? (cont.)
 - The Checklist also helps foster effective teamwork, something that was

recently recognized as an important component of perioperative care Slide 24 : Data Collection at a National Level (Surgical Vital Statistics)

- In order to address the global lack of surgical data, checklist implementation has been coupled with an effort to collect Surgical Vital Statistics in the institutions and nations in which it is used
- Slide 25: Goals of the Safe Surgery Saves Lives Program
 - Dissemination goals include benchmarks for checklist implementation and data collection in the coming years
- Slide 26 : Easy Math
 - With 500,000 lives on the line every year, it is imperative that we spread the Checklist widely and rapidly
- Slide 27: Resources and Information Available at:
 - For more information and helpful resources, visit our website





Problem 1: Unrecognized as public health issue (cont.)

- Burden of surgical disease is increasing worldwide
 - Cardiovascular disease
 - Traumatic injuries
 - Cancer
 - Longer life expectancies

Problem 1: Unrecognized as public health issue (cont.)

=

- Known surgical complications of 3-16%
- Known death rates of 0.4-0.8%

At least 7 million disabling complications – including 1 million deaths – worldwide each year

Problem 2: Lack of Data on Surgery and Outcomes

- Improvements in maternal mortality depended on routine surveillance
- Such surveillance is lacking for surgical care

Problem 3: Failure to use existing safety know-how

- High rates of preventable surgical site infection result from inconsistent timing of antibiotic prophylaxis
- Anesthetic complications are 100-1000x higher in countries that do not adhere to monitoring standards
- Wrong-patient, wrong-site operations persist despite high publicity of such events

The Safe Surgery Saves Lives Strategy

- 1. Promotion of surgical safety as a public health issue
- 2. Creation of a checklist to improve the standards of surgical safety
- 3. Collection of "Surgical Vital Statistics"

WHO's 10 Objectives for Safe Surgery

- 1. The team will operate on the correct patient at the correct site.
- 2. The team will use methods known to prevent harm from administration of anaesthetics, while protecting the patient from pain.
- 3. The team will recognize and effectively prepare for lifethreatening loss of airway or respiratory function.
- 4. The team will recognize and effectively prepare for risk of high blood loss.
- 5. The team will avoid inducing an allergic or adverse drug reaction for which the patient is known to be at significant risk.

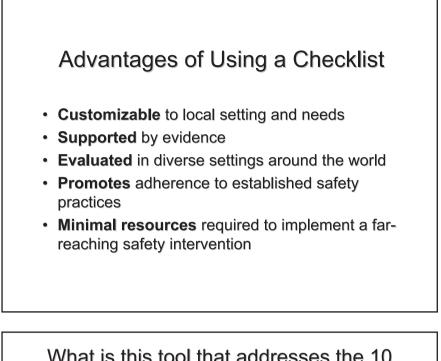
WHO's 10 Objectives for Safe Surgery (cont.)

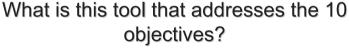
- 6. The team will consistently use methods known to minimize the risk for surgical site infection.
- 7. The team will prevent inadvertent retention of instruments or sponges in surgical wounds.
- 8. The team will secure and accurately identify all surgical specimens.
- 9. The team will effectively communicate and exchange critical information for the safe conduct of the operation.
- 10. Hospitals and public health systems will establish routine surveillance of surgical capacity, volume and results.

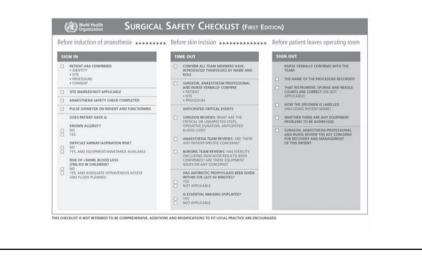


Currently, hospitals do MOST of the right things, on MOST patients, MOST of the time.

The Checklist helps us do ALL the right things, on ALL patients, ALL the time







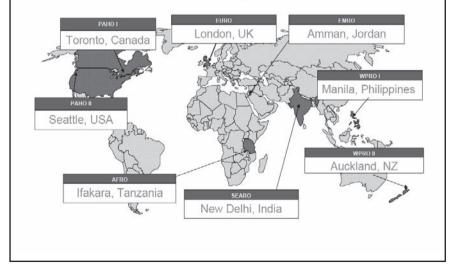
SIL	3N IN
	PATIENT HAS CONFIRMED • IDENTITY • SITE • PROCEDURE • CONSENT
	SITE MARKED/NOT APPLICABLE
	ANAESTHESIA SAFETY CHECK COMPLETED
	PULSE OXIMETER ON PATIENT AND FUNCTIONING
	DOES PATIENT HAVE A: KNOWN ALLERGY? NO YES DIFFICULT AIRWAY/ASPIRATION RISK? NO YES, AND EQUIPMENT/ASSISTANCE AVAILABLE RISK OF >500ML BLOOD LOSS (7ML/KG IN CHILDREN)? NO YES, AND ADEQUATE INTRAVENOUS ACCESS AND FLUIDS PLANNED

TI	VIE OUT
	CONFIRM ALL TEAM MEMBERS HAVE INTRODUCED THEMSELVES BY NAME AND ROLE
	SURGEON, ANAESTHESIA PROFESSIONAL AND NURSE VERBALLY CONFIRM • PATIENT • SITE • PROCEDURE
	ANTICIPATED CRITICAL EVENTS
	SURGEON REVIEWS: WHAT ARE THE CRITICAL OR UNEXPECTED STEPS, OPERATIVE DURATION, ANTICIPATED BLOOD LOSS?
	ANAESTHESIA TEAM REVIEWS: ARE THERE ANY PATIENT-SPECIFIC CONCERNS?
	NURSING TEAM REVIEWS: HAS STERILITY (INCLUDING INDICATOR RESULTS) BEEN CONFIRMED? ARE THERE EQUIPMENT ISSUES OR ANY CONCERNS?
	HAS ANTIBIOTIC PROPHYLAXIS BEEN GIVEN WITHIN THE LAST 60 MINUTES? YES NOT APPLICABLE
	IS ESSENTIAL IMAGING DISPLAYED? YES NOT APPLICABLE

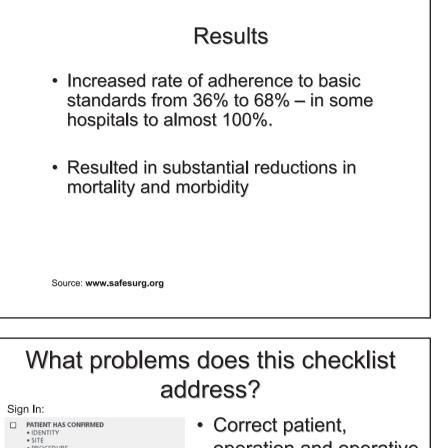
54 "Safe Surgery Saves Lives Initiative" Implementation Guidelines



The Checklist was piloted in 8 cities



2.4	VIE OUT
	CONFIRM ALL TEAM MEMBERS HAVE INTRODUCED THEMSELVES BY NAME AND ROLE
	SURGEON, ANAESTHESIA PROFESSIONAL AND NURSE VERBALLY CONFIRM • PATIENT • SITE • SITE • PROCEDURE
	ANTICIPATED CRITICAL EVENTS
	SURGEON REVIEWS: WHAT ARE THE CRITICAL OR UNEXPECTED STEPS, OPERATIVE DURATION, ANTICIPATED BLOOD LOSS?
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	HAS ANTIBIOTIC PROPHYLAXIS BEEN GIVEN WITHIN THE LAST 60 MINUTES? YES NOT APPLICABLE
	IS ESSENTIAL IMAGING DISPLAYED? YES NOT APPLICABLE



- PROCEDURE
 CONSENT
- SITE MARKED/NOT APPLICABLE

Time Out:

- SURGEON, ANAESTHESIA PROFESSIONAL AND NURSE VERBALLY CONFIRM PATIENT • SITE
 - PROCEDURE

Sign Out:

NURSE VERBALLY CONFIRMS WITH THE TEAM:

- THE NAME OF THE PROCEDURE RECORDED
- ¹ Seiden, Archives of Surgery, 2006.
- ² Joint Commission, Sentinel Event Statistics, 2006.

- operation and operative site
 - There are between 1500 and 2500 wrong site surgery incidents every year in the US.1
 - In a survey of 1050 hand surgeons, 21% reported having performed wrong-site surgery at least once in their career.²

What problems does this checklist address? (cont.)

Sign In:

ANAESTHESIA SAFETY CHECK COMPLETED

PULSE OXIMETER ON PATIENT AND FUNCTIONING DOES PATIENT HAVE A: DIFFICULT AIRWAY/ASPIRATION RISK7 NO

YES, AND EQUIPMENT/ASSISTANCE AVAILABLE

Time Out:

ANAESTHESIA TEAM REVIEWS: ARE THERE ANY PATIENT-SPECIFIC CONCERNS?

¹ Webb, Anaesthesia and Intensive Care, 1993.

Safe Anaesthesia and Resuscitation

 An analysis of 1256 incidents involving general anaesthesia in Australia showed that pulse oximetry on its own would have detected 82% of them.¹

What problems does this checklist address? (cont.)

Time Out:

NURSING TEAM REVIEWS: HAS STERILITY (INCLUDING INDICATOR RESULTS) BEEN CONFIRMED? ARE THERE EQUIPMENT ISSUES OR ANY CONCERNS?

HAS ANTIBIOTIC PROPHYLAXIS BEEN GIVEN WITHIN THE LAST 60 MINUTES?

NOT APPLICABLE

¹ Bratzler, The American Journal of Surgery, 2005.
 ² Classen, New England Journal of Medicine, 1992.

Minimizing risk of infection

- Giving antibiotics within one hour before incision can cut the risk of surgical site infection by 50%^{1, 2}
- In the eight evaluation sites, failure to give antibiotics on time occurred in almost one half of surgical patients who would otherwise benefit from timely administration

What problems does this checklist address? (cont.)

• Effective Teamwork

reported to the Joint

Communication is a root cause

Commission from 1995-2005 ¹

was associated with enhanced

prophylactic antibiotic choice and timing, and appropriate maintenance of intraoperative temperature and glycemia.^{2, 3}

of nearly 70% of the events

A preoperative team briefing

Time Out:

CONFIRM ALL TEAM MEMBERS HAVE INTRODUCED THEMSELVES BY NAME AND ROLE

Sign Out:

- SURGEON, ANAESTHESIA PROFESSIONAL AND NURSE REVIEW THE KEY CONCERNS FOR RECOVERY AND MANAGEMENT OF THIS PATIENT
- ¹ Joint Commission, Sentinel Event Statistics, 2006.

² Makary, Joint Commission Journal on Quality and Patient Safety, 2006.

³ Altpeter, Journal of the American College of Surgeons, 2007.

Data Collection at a National Level (Surgical Vital Statistics) Number of surgical procedures performed in the operating theatre per 100,000 population per year Number of Operating Theatres per 100,000 population Number of surgeons per 100,000 population

- Number of anesthesia professionals per 100,000 population
- Day-of-surgery mortality rate
- · Postoperative in-hospital mortality rate

Goals of the Safe Surgery Saves Lives Program

- Enroll 250 hospitals in the program by January 1st, 2009 and 2,500 hospitals by 2010.
- Enroll hospitals in countries representing one fourth of the world's population by 2009 and representing half of the world's population by 2010.
- Collect surgical vital statistics for one country in each WHO region by 2010

Easy Math

234 million people are operated on each year, and >1 million of these individuals die from complications

+ At least 1/2 are avoidable with the Checklist

500,000 lives on the line each year



62 "Safe Surgery Saves Lives Initiative" Implementation Guidelines

7.2

Presentation 2

'Safe Surgery Saves Lives' Implementation Strategy (WHO Recommendations)

SSSL Implementation Strategy

WHO Recommendations

Purpose of Checklist

- Enabling consistency in safety for patients
- Introducing (or maintaining) a culture that values achieving it.

Building a team

- Commitment by team members is essential.
- Tell your colleagues about the checklist
- Start with those who are likely to be most supportive.
- Identify a core group to involve at least one member from each of the clinical disciplines.
- Work with those who are interested, rather than trying to change the most resistant people.

Meet with hospital leaders

- Support of this initiative by leaders in each of the clinical disciplines is critical to its success.
- Think about what the hospital leadership can do to promote the checklist.

Start small, then expand

- Run a campaign in specific settings
- During the original evaluation by WHO, sites that tried to implement the checklist in multiple operating rooms simultaneously or hospital-wide faced the most resistance and had the most trouble convincing staff to use the checklist effectively.
- · Start small one operating room with one team
- move forward after problems have been addressed and when enthusiasm builds.

Use the checklist

- Core team members must be using the checklist in their own operating rooms!
- Slowly encourage others to adopt the checklist
- Work through potential concerns.
- Do not hesitate to customize the checklist for your setting as necessary, but do not remove safety steps just because you are unable to accomplish them.



- Collect data to see if the standards are being followed as the checklist is implemented in more operating rooms.
- Follow both process and outcome measures
 - e.g. In what percent of operations are we giving antibiotics at the correct time? (process)
 - How many patients get surgical site infections? (outcome)

Set public goals

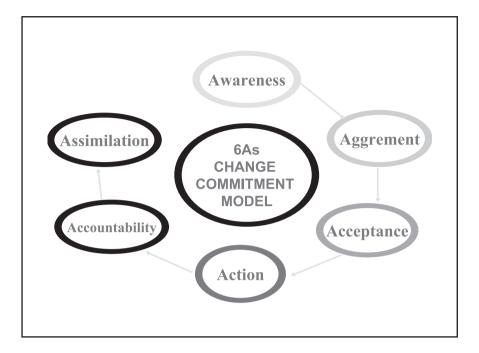
 Once you have a sense of your data, try to improve your numbers by letting your whole hospital know about improvement goals you hope to achieve.

Update the hospital on progress

• Make the progress on both process and outcome measures publicly available so that hospital staff can witness improvement.

Continuity is essential

- Continue to use the checklist.
- Data collection may become less frequent as the checklist is accepted.
- A periodic check on progress will ensure that process measures stay on track and complications are minimized.



Share your experience with the Safe Surgery Saves Lives program

 Tell your stories of success and challenges at http://www.who.int/patientsafety/challenge/s

afe.surgery/en/.

• You can also email us at <u>safesurgery@hsph.harvard.edu.</u>



We can also have our own

Safe Surgery Annual Meeting

70 "Safe Surgery Saves Lives Initiative" Implementation Guidelines

7.3

Presentation 3

Ministry of Health Malaysia 'Safe Surgery Saves Lives Initiative'





Ministry of Health Malaysia Safe Surgery Saves Lives

Dato' Dr. Abd Jamil Abdullah

Chairman Safe Surgery Saves Lives Initiative Head of Surgery Hospital Sultanah Nur Zahirah Kuala Terengganu



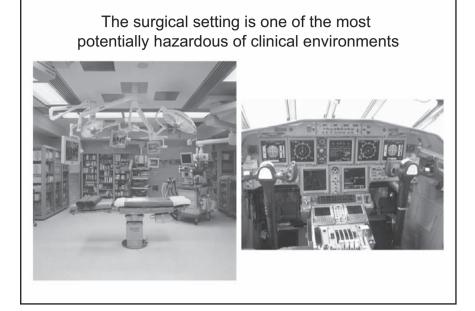
An initiative established by World Alliance For Patient Safety (WAPS) 2004 as part of WHO's efforts to reduce the number of surgical deaths in the world



- To harness political commitment and clinical will to address important safety issues, which includes :-
 - Inadequate anaesthetic safety practices
 - Avoidable surgical infection and
 - Poor communication among team members

The Safe Surgery Saves Lives Strategy

- 1. Promotion of surgical safety as a public health issue
- 2. Creation of a checklist to improve the standards of surgical safety
- 3. Collection of "Surgical Vital Statistics"



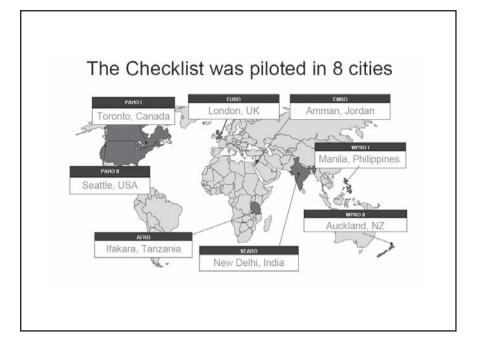
WHO's 10 Objectives for Safe Surgery

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- 4. The team will recognize and effectively prepare for risk of high blood loss.
- 5. The team will avoid inducing an allergic or adverse drug reaction for which the patient is known to be at significant risk.

WHO's 10 Objectives for Safe Surgery (cont.)

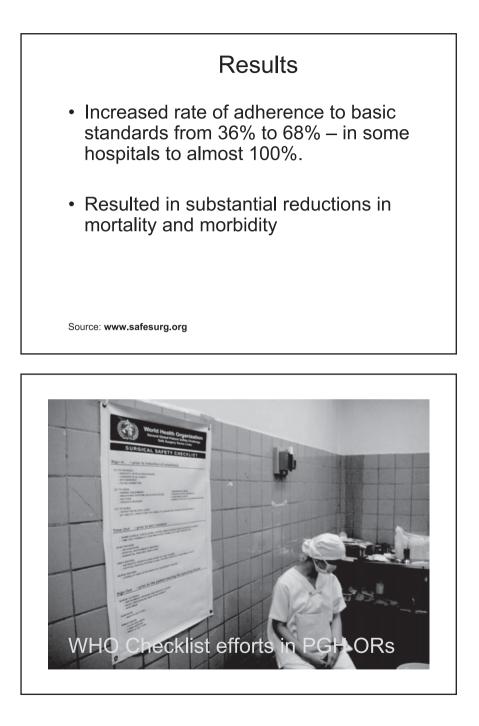
- 6. The team will consistently use methods known to minimize the risk for surgical site infection.
- 7. The team will prevent inadvertent retention of instruments or sponges in surgical wounds.
- 8. The team will secure and accurately identify all surgical specimens.
- 9. The team will effectively communicate and exchange critical information for the safe conduct of the operation.
- 10.Hospitals and public health systems will establish routine surveillance of surgical capacity, volume and results.

<i>ليب</i>	RGICAL SAFETY (
PRIOR TO INDUCTION OF ANAESTHESIA	TIME OUT	PRICK TO PATIENT LEAVING THE OPERATING THEATRE SIGN OUT	
PATIENT CONFIRMED • • PATIENT CONFIRMED • Strit • Strit • Strit • Classify • Classify • Distritution Di	CONTRALAL TAXA MINIMERS HAVE INFORMATION THREEN AND THREE AND FOLL SURCEON. ANALYTICS THREEN THREEST PROFESSIONAL AND NERK WEAKLY CONTRIN ANY AND	NURSE VERIALLY CONTINUE WITH THE TLANE: THE RANGE OF THE PROCEDURE RECORDED TO ANY PROTOCODER RECORDED TO ANY PROTOCODER RECORDED TO ANY PROCEDURE RECORDED HOW THE SPECIAL IN SUBJECT OR NOT APPLICABLE HOW THE SPECIAL IN SUBJECT OF APPLICABLE HOW THE SPECIAL IN SUBJECT OF APPLICABLE WONTHER SPECIAL IN SUBJECT OF APPLICABLE WONTHER SPECIAL IN SUBJECT OF APPLICABLE SUBJECT NEWS, AND ANY CONTINUE REVOLUTION TO INSUE REVOLUTION TO INSUE REVOLUTION TO THE PROTOCOLULA CONCERNME FOR RECORDER Y NO MANAGEMENT OF THE PROTOCOLUTION TO T	
	NOT APPLICABLE OTHER CHECKS		



Preliminary Pilot Site Results

Site	Cases	Use of Pulse Oximeter	Time Out to Confirm Site/Pt	Objective Airway Evaluation	Antibx at 0-60 mins	IV Access >500 cc EBL
1	377	100%	100%	96%	98%	93%
2	317	97%	8.8%	74%	52%	73%
3	232	96%	100%	9.5%	34%	7%
4	496	77%	22%	45%	25%	49%
5	338	97%	50%	72%	75%	80%
6	524	99%	99%	98%	48%	32%
7	519	100%	99%	95%	78%	67%
8	446	99%	17%	0.5%	18%	73%
					Total	Cases 32



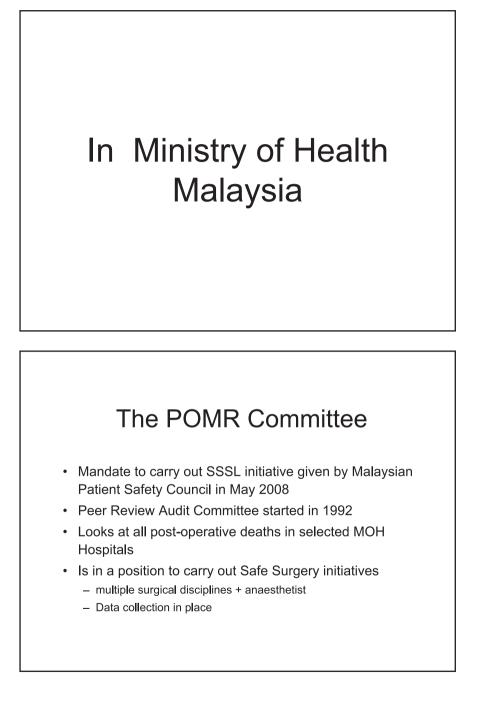
PGH Interim Data

	PRE	POST
Cases	496	500
Patient Confirmation	21.77%	64.89%
Antibx at 0-60 Minutes	25.40%	55.17%
Airway Evaluation	46.17%	58.4%
2 IVs for 500cc Blood Loss	49.23%	64%
Sponge Count	99.40%	99.8%
Complication	10.08%	7.2%
Death	3.63%	1.4%

Survey of Clinicians

- 78% thought it was easy to use
- 79% thought it improved care
- 18% thought it took a long time
- 84% thought it improved communication
- 78% thought it reduced errors
- 93% would want a checklist used if they were having surgery

Berita CSM, Feb 08, Haynes AB

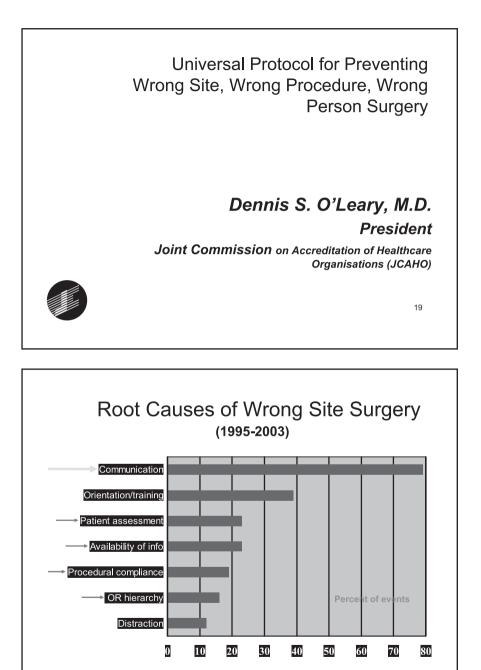


Surgical Volume & POM

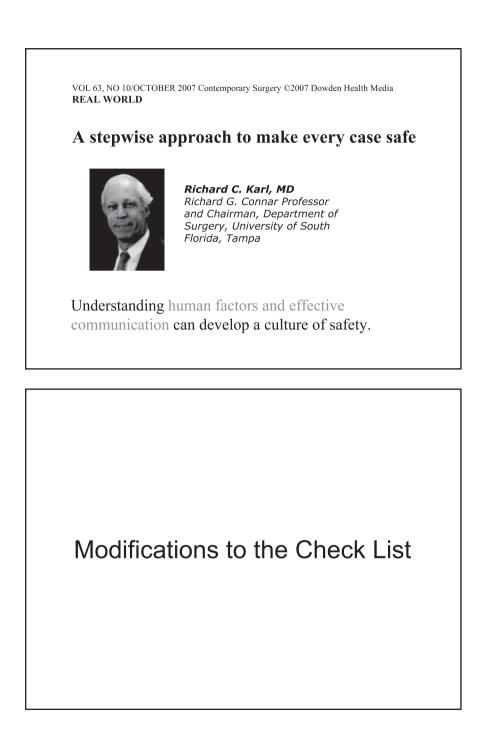
Year	No of Op	POM	Rate
2000	234, 553	1, 274	0.54 %
2001	232, 592	1, 452	0.62 %
2003	209, 643	1, 804	0.86 %
2004	216, 926	2, 164	1.00 %

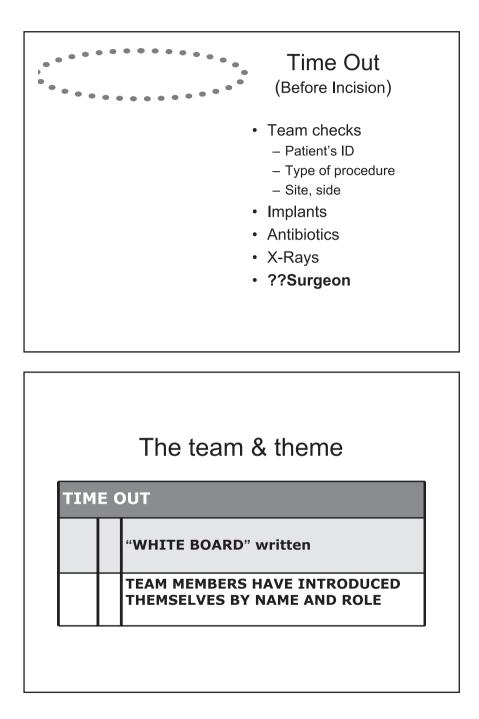
The Malaysian Theme

- · 'Safer Surgery through Better Communication'
- OBJECTIVES
 - To improve understanding of the surgery process by patients and relatives
 - To improve communication between operating team members
 - Improve rapport between patient and the operating team



"Safe Surgery Saves Lives Initiative" Implementation Guidelines 81





WHITE BOARD

- The formal `TEAM'
- · Focal point
- CONTENTS
 - Patient's Name
 - Proposed operation
 - Location or laterality of operation
 - Team Member's name
 - Special instructions/Reminders
 - Position, Antibiotics, Equipment/ Implants, Tourniquet time



Additions to checklist

DURING PROCEDURE

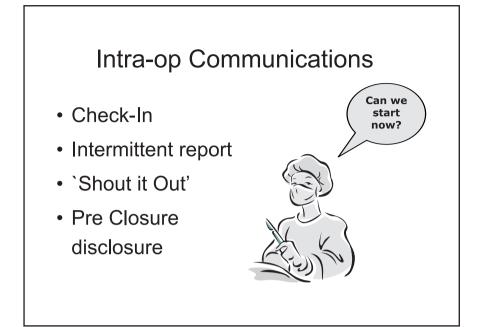
INTRA OP COMMUNICATION

CHECK-IN

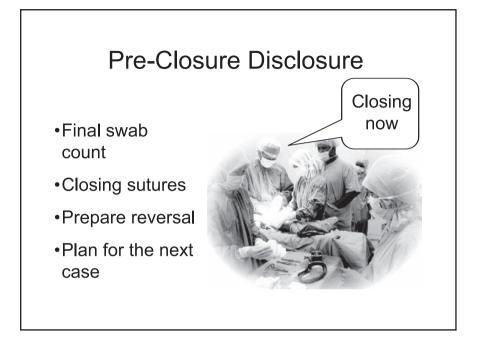
PERIODIC UPDATES

SHOUT - OUT

PRE-CLOSURE DISCLOSURE







Additions to checklist

SIGN OUT

INFORM RELATIVES



- Informing of progress
- · Showing of specimen

Additional recommendation : Peri-Operative Review by operating surgeon / team

- Final pre-op check new findings
- · Last minute questions
- Will definitely improve communication with patients and relatives _____
- Confidence & rapport



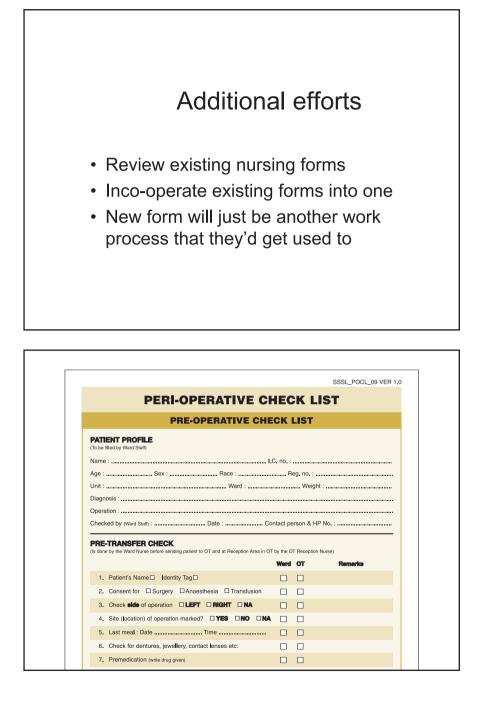
Pilot launch – 5 Feb 2009

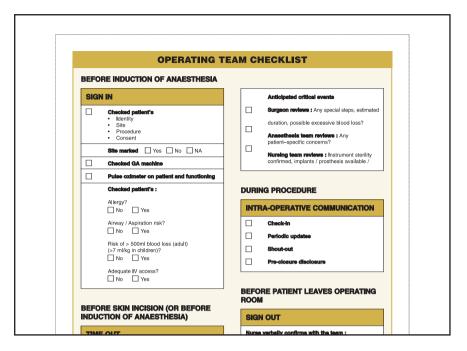
TESTING FORMS AND ACCEPTANCE

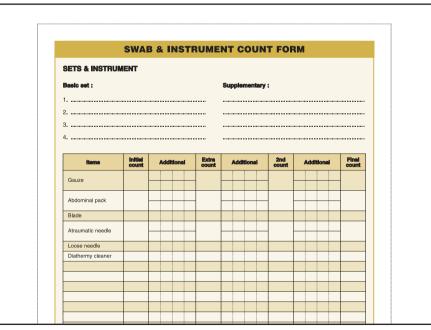
- · HRPZ II and all hospitals in Kelantan
- Hospital Kemaman
- · Hospital Pulau Pinang
- Hospital Raja Permaisuri Bainun, Ipoh
- Hospital Teluk Intan
- · Hospital DOK, Sandakan

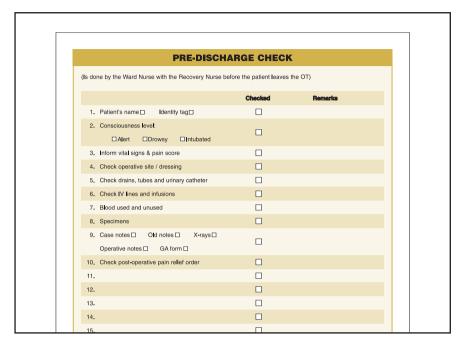
Usage of checklist

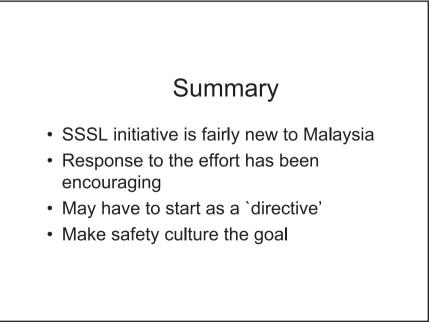
Hospital	Pre-GA Check	Time Out	Sign Out	Pre-Op Visit	Post Op Visit
Hospital Pulau Pinang	100	100	100	100	96
Hospital Ipoh	98	90	-	79	57
HRPZ II	85	60-90	92	89	83
Hospital Teluk Intan	90+	90+	90+	67	67
Duchess of Kent Sandakan	100	100	100	100	100
Hospital Kemaman	100	100	100	99	91

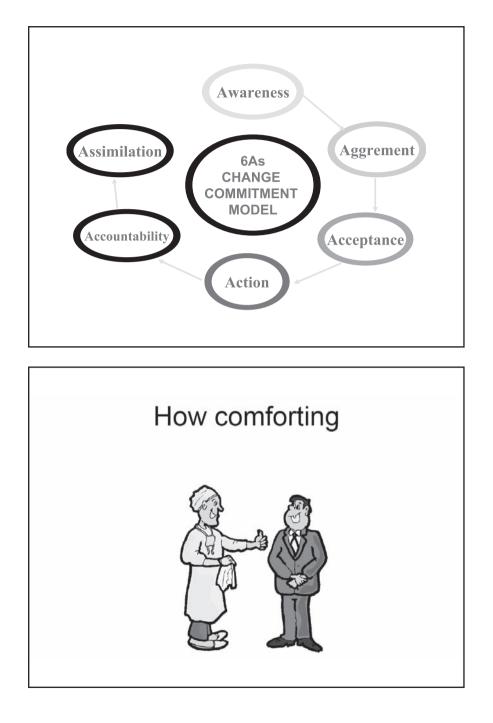












8.0 Appendices

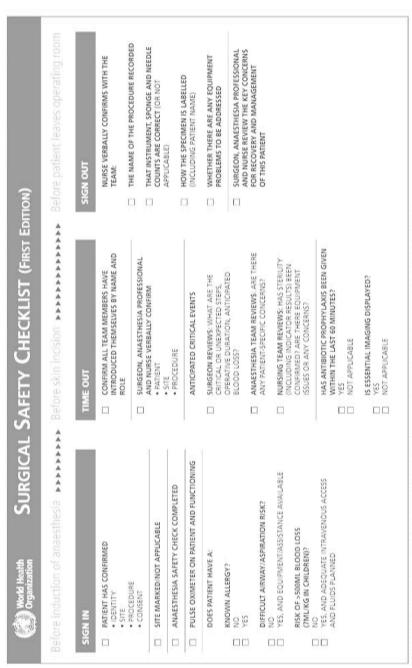
Appendix 1

WHO'S 10 OBJECTIVES FOR SAFE SURGERY

- 1. The team will operate on the correct patient at the correct site.
- 2. The team will use methods known to prevent harm from anaesthetic administration, while protecting the patient from pain.
- The team will recognize and effectively prepare for life-threatening loss of airway or respiratory function.
- 4. The team will recognize and effectively prepare for risk of high blood loss.
- 5. The team will avoid inducing any allergic or adverse drug reaction known to be a significant risk for the patient.
- 6. The team will consistently use methods known to minimize risk of surgical site infection.
- 7. The team will prevent inadvertent retention of instruments or sponges in surgical wounds.
- 8. The team will secure and accurately identify all surgical specimens.
- 9. The team will effectively communicate and exchange critical patient information for the safe conduct of the operation.
- 10. Hospitals and public health systems will establish routine surveillance of surgical capacity, volume, and results.

REFERENCE

Selected bibliography supporting the ten essential objectives for safe surgery http://www.who.int/patientsafety/safesurgery/knowledge_base/bibliography/en/ind ex.html



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96 "Safe Surgery Saves Lives Initiative" Implementation Guidelines