Sponsored by the World Health Organization





Sponsored by the World Health Organization





A Webber Training Teleclass Hosted by Dr. Marc Sprenger, WHO Antimicrobial Resistance Secretariat www.webbertraining.com



WHO Guidelines on Core Components of IPC 6 Programmes at the National and (A) World Health Organization Acute Health Care Facility Level Guidelines on Core Components of Infection Prevention and Control Programmes at the National and Health Care Facility Level m microbie factuaries ndix III H CAP Core components for effective infection prevention and control programmes: new WHO evidence-based recommendations lable guid Focus on preventing espite organisation management and structure to mean want is waith care-associated infections a waith **HAIs** and combating 818 AMR (World Health Organization Zingg W et al. *TLID* 2015 Storr J et al. *ARIC* 2017 Presley L et al. *TLID* 2017 World Health Organization Presley L et al. TLID 2017

Sponsored by the World Health Organization





Sponsored by the World Health Organization





Sponsored by the World Health Organization



	(Food and Agriculture Organization of the United Nations	DIC D ORGANISATION ANIMAL HEALTH	Worl Orga	d Health inization
	GI	obal Monitoring of Country Progress on	Antimicrobial	Resistance (A	MR):
	Co	ountry self-assessment questionnaire (ve	ersion two)		
		ersion 2.0, 9 October 2017			
		ction Prevention and Control (IPC) in human health care			
0.1	A	No national IPC programme or operational plan is available.			
0	B	A national IPC programme or operational plan is available. Na	tional IDC and water	conitation and bygions	(MASH) and
0	P	environmental health standards exist but are not fully implem		sanitation and hygiene	
0	С	A national IPC programme and operational plan are available		es for health care IPC a	re available
		and disseminated. Selected health facilities are implementing			
0	D	National IPC programme available according to the WHO IPC implemented nationwide. All health care facilities have a func and necessary materials and equipment to perform IPC, per n	tional built environm		
0	E	IPC programmes are in place and functioning at national and components guidelines ⁷ . Compliance and effectiveness are re updated in response to monitoring.			
		mated national coverage with critical measures (water supplies nunization) to reduce spread of infections in communities and l		Latest national coverage rate (in %)	Year
		nunisation coverage rate of pneumococcus vaccine.			
1		nunisation coverage rate of Haemophilus influenzae type b (Hib)	vaccine.		
	Pro	portion of health care facilities with basic ⁹ water supplies.			
- 1	Pro	portion of health care facilities with basic ¹⁰ hand hygiene facilitie	5.	10	
	Pro	portion of health care facilities with functional sanitation facilitie	5		
		ww.who.int/antimicrobial-resistance/global-action-pla questionnaire-2017-English.pdf?ua=1	n/AMR-self-asses	sment-	

Sponsored by the World Health Organization





Sponsored by the World Health Organization













Organization



Sponsored by the World Health Organization

















Sponsored by the World Health Organization





Sponsored by the World Health Organization



5	CO	World Health Organization		
re: No	s is a mea	ary of scoring method assigned if the element exists (is implemented, introduced, etc.) ans the element does not exist/is not implemented. stions must be answered. Blank answers cannot be analyzed.		
4	A	B C D E F G H I	1	
1	1	Infection prevention control (IPC) programmes*	73%	
2		Components for assessment (Red font=Gap or "N" response)	Score (Y or N)	
3	1.1	Organization and leadership of the programme	63%	
4	1.1.1	An active IPC programme exists at the national level	У	
5	1.1.2	An appointed infection preventionist(s) in charge of the programme can be identified	У	
6	1.1.3	The appointed technical team of infection preventionist(s) includes both doctors and nurses	n	
7	1.1.4	The appointed infection preventionist(s) have undergone training in IPC in the prevention of health care-associated infection (HAI)	У	
8	1.1.5	The appointed infection preventionist(s) have dedicated time for the tasks (at least one full-time person)	n	
9	1.1.6	The programme has been granted authority to make decisions that influence field implementation	У	
10	1.1.7	There is an identified, protected and dedicated budget allocated according to planned activity	n	
11	1.1.8	An official multidisciplinary group/committee or equivalent structure is established to support the IPC team at the national level (for example, national IPC committee)	У	
12				

Sponsored by the World Health Organization



Det	Detailed assessment: CC1				
IPCAT2 Section	Strengths	Gaps			
1. IPC programme	• XX	• YY			





A Webber Training Teleclass

Hosted by Dr. Marc Sprenger, WHO Antimicrobial Resistance Secretariat www.webbertraining.com







	ent frameworl		CAC) Organization
Core component 1: Infection Prevention and Cont	rol (IPC) programme		
Question	Answer	Score	
1. Do you have an IPC programme? ³	No No	0	
Choose one answer	Ves, without clearly defined objectives	5	
	Ves, with clearly defined objectives and annual activity plan	10	The main purpose
2. Is the IPC programme supported by an IPC team comprising	□ No	0	
of IPC professionals? ⁴ Choose one answer	Not a team, only an IPC focal person	5	of ICPAF is to
	🗆 Yes	10	
3. Does the IPC team have at least one full-time IPC professional	No IPC professional available	0	support
or equivalent (nurse or doctor working 100% in IPC) available? Choose one answer	No, only a part-time IPC professional available	2.5	
	□ Yes, one per > 250 beds	5	implementation,
	Ves, one per s 250 beds	10	
4. Does the IPC team or focal person have dedicated time for IPC	No No	0	thereby providing a
activities?	U Yes	10	
5. Does the IPC team include both doctors and nurses?	No No	0	road map to guide
	□ Yes	10	· · · · · · · · · · · · · · · · · · ·
6. Do you have an IPC committee ⁵ actively supporting the IPC team?	□ No	0	IPC actions.
	🗆 Yes	10	
7. Are any of the following professional groups represented/included i	n the IPC committee?		
Senior facility leadership (for example, administrative director, chief	No No	0	
executive officer (CEO), medical director)	🗆 Yes	5	
Senior clinical staff (for example, physician, nurse)	No No	0	
	C Yes	2.5	

Sponsored by the World Health Organization



Question	Answer	Score	nization
1. Are there personnel with the IPC expertise (in IPC and/or infectious	□ No	0	
diseases) to lead IPC training?	X Yes	10	
Are there additional non-IPC personnel with adequate skills to serve as trainers and mentors (for example, link nurses or doctors,	□ No	0	
champions)? Choose one answer	≭ Yes	10	
3. How frequently do health care workers receive training regarding IPC in your facility?	Never or rarely	0	_
Choose one answer	New employee orientation only for health care workers	5	_
	New employee orientation <u>and</u> regular (at least annually) IPC training for health care workers offered but not mandatory	10	_
	New employee orientation and regular (at least annually) mandatory IPC training for all health care workers	15	
How frequently do cleaners and other personnel directly involved patient care receive training regarding IPC in your facility? hoose one answer	X Never or rarely	0	
	New employee orientation only for other personnel	5	
	New employee orientation and regular (at least annually) training for other personnel offered but not mandatory	10	
	New employee orientation and regular (at least annually) mandatory IPC training for other personnel	15	
5. Does administrative and managerial staff receive general training	□ No	0	-
regarding IPC in your facility? Choose one answer	X Yes	5	
6. How are health care workers and other personnel trained?	No training available	0	
Choose one answer	Using written information and/or oral instruction and/or elearning only	5	
	Includes additional interactive training sessions (for example, simulation and/or bedside training)	10	

Core cor	nponent 3: Infection Prevention and Cont	rol (IPC) edu	rol (IPC) education and training			
Question		Answer S			Health	
	personnel with the IPC expertise (in IPC and/or infectious	□ No		0		
diseases) to	lead IPC training?	X Yes	*Yes			
	additional non-IPC personnel with adequate skills to iners and mentors (for example, link nurses or doctors,	□ No				
champions) Choose one		₩ Yes				
	uently do health care workers receive training regarding	Never or ran	ely	0		
			yee orientation only for health care workers	5		
			yee orientation <u>and</u> regular (at least annually) IPC Ith care workers offered but not mandatory	10	_	
			yee orientation <u>and</u> regular (at least annually) training for all health care workers	15		
	How frequently do cleaners and other personnel directly involved patient care receive training regarding IPC in your facility?		ely	0		
			yee orientation only for other personnel	5		
	7. Are there periodic evaluations of the effectiveness of					0
	programmes (for example, hand hygiene audits, other knowledge)?	Checks on Yes, but not regularly				5
	Choose one answer	Yes, regularly (at least annually)				10
	8. Is IPC training integrated in the clinical practice and		No No		0	
Choose one	other specialties (for example, training of surgeons in of IPC)?	volves aspects	😫 Yes, in some disciplines		5	
6. How are	Choose one answer		Ves, in all disciplines		10	
	9. Is there specific IPC training for patients or family n to minimize the potential for health care-associated in		□ No			0
	(for example, immunosuppressed patients, patients w devices, patients with multidrug-resistant infections)?	ith invasive	🗱 Yes			5
	10. Is ongoing development/education offered for IPC (for example, by regularly attending conferences, cour		□ No			0
	(for example, by regularly attending conferences, cour	ses)r	🗱 Yes			10
	Subtotal score					/10

Question		Answer		Score	Health	
	personnel with the IPC expertise (in IPC and/or infectious	□ No		0		
diseases) to	o lead IPC training?	X Yes	10			
	additional non-IPC personnel with adequate skills to iners and mentors (for example, link nurses or doctors,	□ No		0		
champions)			X Yes			
	uently do health care workers receive training regarding	Never or ra	arely	0		
IPC in your Choose one	our raciity r one answer		oyee orientation only for health care workers	5	_	
			oyee orientation <u>and</u> regular (at least annually) IPC ealth care workers offered but not mandatory	10	_	
			oyee orientation <u>and</u> regular (at least annually) C training for all health care workers	15		
	uently do cleaners and other personnel directly involved	XNever or ra	arely	0		
	patient care receive training regarding IPC in your facility? hoose one answer		New employee orientation only for other personnel 5			
	7. Are there periodic evaluations of the effectiveness of					0
	programmes (for example, hand hygiene audits, other knowledge)?	Checks on Yes, but not regularly				5
	Choose one answer				10	
	8. Is IPC training integrated in the clinical practice and		□ No		0	
regarding II Choose one	other specialties (for example, training of surgeons inv of IPC)?	olves aspects	Xes, in some disciplines		5	
6. How are	Choose one answer		Yes, in all disciplines		10	
Choose one	9. Is there specific IPC training for patients or family m to minimize the potential for health care-associated in		□ No	□ No		
	(for example, immunosuppressed patients, patients wi devices, patients with multidrug-resistant infections)?	ith invasive	🗱 Yes			5
	10. Is ongoing development/education offered for IPC		□ No			0
	(for example, by regularly attending conferences, course	ses)?	🗶 Yes			-

Sponsored by the World Health Organization

IPCAF – analysis and interpretation of the results	45 World Health Organization
	Score
Section (Core component)	Subtotals
1. IPC programme	45
2. IPC guidelines	60
3. IPC education and training	75
4. HAI surveillance	20
5. Multimodal strategies	45
6. Monitoring/audits of IPC practices and feedback	50
7. Workload, staffing and bed occupancy	65
8. Built environment, materials and equipment for IPC at the facility level	30
Final total score	390 /800
2. Determine the assigned "IPC level" in your facility using the total score from Step 1 Total score (range)	IPC level
0-200	Inadequate
201-400	Basic
401-600	Intermediate
601-800	Advanced





IPCSAF Section	Strengths	Gaps
I.IPC		
2. IPC guidelines		
	0 10	
epeat this table up to C	ore Component 8	

Sponsored by the World Health Organization



CORE COMPONENT: <insert component="" core="" name="" of=""></insert>								
Priority gaps identified	Action required	Lead person	Start date	End date	Budget (if applicable)	Monitoring and evaluating implementation progress (include review/ completion dates)		
<list all="" gaps<br="">identified from baseline assessment and prioritized for action></list>	<list actions<br="" the="">that are planned using information gathered as you work through the 5 steps of the implementation cycle></list>	<list lead<br="" the="">person or group driving the action plan></list>	<state the<br="" when="">action will start to be addressed></state>	<estimate the<br="">deadline for action to be completed, including periodic review dates if applicable></estimate>	<estimate the<br="">budget required to address the required actions></estimate>	<describe the<br="">progress that has been made at each review date including decisions and actions taken, and the need for further actions to be taken to achieve completion></describe>		

Sponsored by the World Health Organization

ORE COMPONENT:									
ority gaps ntified	Action requir	ed	Lead pe	rson	Start date	End date	Budge (if app		Monitoring and evaluating
No.	Activity to be conducted	Object	ives	Key performance indicator of the outcome	Target outcome	Target group	Budget/ expenditure	Duration of action	Responsible person(s)
<insert MORE ROWS AS REQUIRED></insert 									

ority ntifie	gaps d	Action req	uired	Lead p	erson		St	art date			End da	te		Budg (if ap		able)	Monitoring and evaluating
No.		Activity to be conducted	e Obje	ctives	Key	/ forman	ce	Target outcor			arget roup		Budg expe	et/ nditure		Duration of action	Responsible person(s)
	No.	Activity	Goal	Month 1	2	3	4	5	6	7	8	9	10	11	12	Budget	Responsible person(s)
<1115	<insert MORE ROWS AS REQUIRED</insert 																

Sponsored by the World Health Organization

RE CO	OMPOI	NENT:	<inser< th=""><th>T NAM</th><th>E OF CORE C</th><th>OMPONENT</th><th>></th><th>_</th><th></th><th></th><th></th></inser<>	T NAM	E OF CORE C	OMPONENT	>	_			
ority on tifie			Action red	quired	Lead pe	rson	Start date	End date	Bud (if a	lget pplicable)	Monitoring and evaluating
No.			Activity to b conducted	e Ol	bjectives	Key performan	ce Target outcome	Target group	Budget/ expenditure	Duration of action	Responsible person(s)
	No.		Activity	Goal	Month	2 2		6 7 0	0 10 11	Budget	Responsible person(s)
	<ins< th=""><th>IPC a</th><th>e of facility area where entified</th><th></th><th>Defective pr to be stopp appropriate</th><th>actices ed (where</th><th>nit: Proposed solution(s)</th><th>Time for effecting solution(s)</th><th>.// Uni Expected outcome</th><th>it head signature Person(s) responsible</th><th>Resources</th></ins<>	IPC a	e of facility area where entified		Defective pr to be stopp appropriate	actices ed (where	nit: Proposed solution(s)	Time for effecting solution(s)	.// Uni Expected outcome	it head signature Person(s) responsible	Resources
	MOF ROW REQ										

Priority gap	Action required and link to available tools/ resources	Lead person and other team members	Timeline	Budget/ resources
No (evidence-based, consistent) IPC guidelines available (and no engagement of other clinicians and managers in this process)	 Source national, regional or international evidence-based guidelines and/or source guidelines developed and approved in other similar facilities. Adapt the content of other guidelines if necessary to the facility needs. Review the sample of national guidelines in the tools and resources section. 	 IPC lead/focal person Microbiologist or infectious diseases specialist (if different from lead) Public health experts Others with experience of writing guidelines Sample of facility clinicians and managers 	6 months	Low

Priority gap	Action required and link to available tools/resources	Lead person and other team members	Timeline	Budget/ resources
No expertise in how to develop and execute effective IPC training	 Source competencies for IPC training and map to available staff. Develop and submit a report on the competency status of available staff to senior managers highlighting gaps and the need to build capacity through training and mentorship. 	IPC lead/focal person	3 months	Low
No routine programme of IPC training	 Develop a programme of IPC training using WHO training modules (see tools and resources). 	IPC lead/focal person	3 months	Moderate

A Webber Training Teleclass

Hosted by Dr. Marc Sprenger, WHO Antimicrobial Resistance Secretariat www.webbertraining.com



WHO IPC global survey 2019 Use the two tools*, calculate your score, show your progress!						
As pa	rt of SAVE LIVE 5 May	S: Clean Your Ha 2019	nds			
Prepare: Read the tools and documents ¹⁻⁴	Take part in WHO webinars, hear more about using the tools and how to take part in the global survey ⁵	Jan-Feb - complete IPCAF ³ , act on your results and submit your results to WHO online	Mar-Apr – complete HHSAF ⁴ , act on your results and submit your results to WHO online			
Participate in the WHO global survey starting Jan 2019! (Report to be launched end of 2019)						
http://www.who.int/infection-pr http://www.who.int/infection-pr http://www.who.int/infection-pr http://www.who.int/infection-pr http://www.who.int/gpsc/count	Assessment Framework (IPCAF), Hand Hygier exention/loals/core-components/en/ evention/loals/nard-hygiene/en/ revention/loals/core-components/IPCAF-facility.Pl ry_work/hhsin_framework.October_2010.pdf?ua- w.wb.in/linfection-prevention/mews-events/currer)F?ua=1 I				

New Perspectives on infection Prevention and Control Program Assessments in the Spirit of Improvement

Prof. Benedetta Allegranzi, World Health Organization

Sponsored by the World Health Organization





Sponsored by the World Health Organization

W۱	ww.webbertraining.com/schedulep1.php
January 17, 2019	(FREE WHO Teleclass - Americas) THE 2019 WHO GLOBAL SURVEY Speaker: Prof. Didier Pitter and Prof. Benedetta Allegranzi, World Health Organization Sponsored by the World Health Association
January 31, 2019	BARRIERS AND FACILITATORS TO CLOSTRIDIUM DIFFICILE INFECTION PREVENTION, A NURSING PERSPECTIVE Speaker: Dr. Nasia Safdar, University of Wisconsin School of Medicine and Public Health
February 5, 2019	(<u>European Teleclass)</u> ISSUES IN ANTIFUNGAL STEWARDSHIP: AN OPPORTUNITY THAT SHOULD NOT BE LOST Speaker: Dr. Ramasubramanian, The Capstone Clinic, Tamil Nadu, India
February 7, 2019	(FREE Teleclass) THE EFFECTIVENESS OF TUBERCULOSIS INFECTION CONTROL STRATEGY IN HIGH HIV/TB-BURDEN SETTINGS Speaker: Dr. Eltony Mugomeri, Africa University in Zimbabwe
	(South Pacific Teleclass) THE INTRODUCTION OF RISK-BASED ASSESSMENT FOR THE MANAGEMENT

