

Objectives

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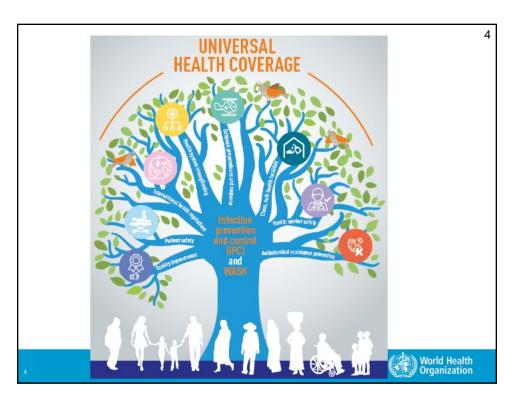
- To review new WHO approaches and tools for infection prevention and control (IPC) assessments at the national and facility level
- To understand the value of local assessments in the spirit of improvement
- To present the 2019 WHO Global Survey on IPC and Hand Hygiene

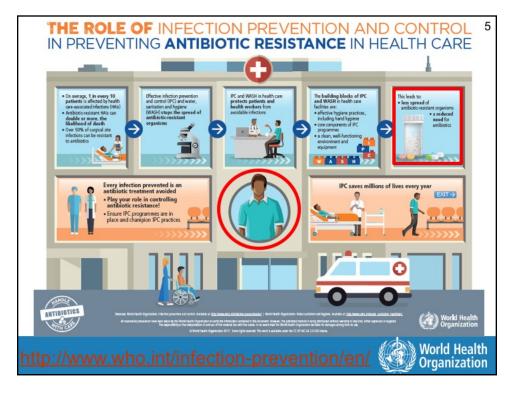


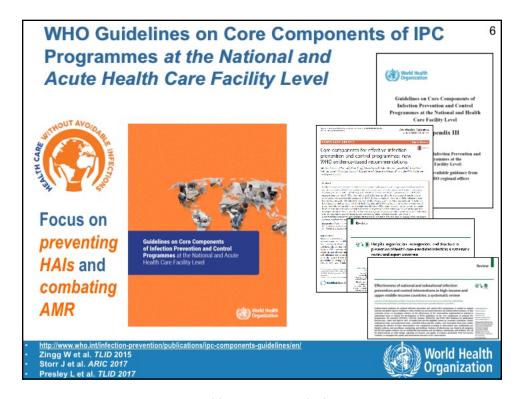
Role of infection prevention and control (IPC)³ to achieve SDGs and WHO's priorities

- Achieving UHC (1st strategic priority & SDG 3.8), as quality is an essential component of UHC. IPC is
 a practical and evidence-based approach with demonstrated impact on quality of care and patient
 safety across all levels of the health system.
- Combating AMR (3rd strategic priority & resolution WHA A68/20), as IPC has a critical role to
 reduce both the spread of antibiotic resistant organisms and the occurrence of infection and thus, the
 need for antibiotic use with ultimate impact on AMR emergence.
- Maternal and neonatal health (3rd strategic priority, SDG 3.2 & resolution A70/13 on sepsis), given
 that sepsis is a major cause of morbidity and mortality (including health care-associated) in these fragile
 populations.
- Prevention of health emergencies including fulfilment of the international health regulations (2nd strategic priority & SDG 3.d), as the existence of strong IPC programmes and capacity constitutes the foundation for adequate preparedness and response to outbreaks.
- Water, sanitation and hygiene (WASH) (SDG 6, AMR GAP strategic objective 3, and UN Secretary General global call), because IPC and WASH are naturally complementary; WASH provide the necessary and adequate infrastructures, materials and equipment enabling the implementation of appropriate IPC practices and behavioural change among health care workers and the community.









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Monitoring is central to the core components for effective IPC programmes

both at the national and facility level

- Core component 6: Monitoring/audit of IPC practices/activities & feedback
- Core component 4: HAI surveillance
- Core component 5: multimodal strategies for effective implementation of IPC activities



Core component 6: Monitoring/audit of IPC 9 practices/activities & feedback



Regular monitoring/audit and timely feedback of health care practices should be undertaken according to IPC standards to prevent and control HAIs and AMR at the health care facility level. Feedback should be provided to all audited persons and relevant staff.

A national IPC monitoring and evaluation programme should be established to assess the extent to which standards are being met and activities are being performed according to the programme's goals and objectives. Hand hygiene monitoring with feedback should be considered as a key performance indicator at the national level.

Evidence (6 studies at facility level, 1 at national level) showed that regular monitoring/auditing of IPC practices paired with regular feedback (individually and/or team/unit) is effective to increase adherence to care practices and to decrease overall HAI

- To achieve behaviour change or other improvements
- To document progress and impact
- Essential: timely feedback and data interpretation for action
- Integration/alignment with other monitoring systems needed



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Core Component 6: facility level – key remarks

- Main purposes of auditing/monitoring practices & providing feedback:
 - to achieve behaviour change or other process modification to improve the quality of care and practice, aiming at the reduction in the risk of HAI and AMR spread
 - to engage stakeholders, create partnerships and develop networks
 - to regularly evaluate IPC programmes whether objectives are met, the goals accomplished, activities are being performed according to requirements and to identify aspects that may need improvement
- Critical steps: sharing the audit results and providing feedback not only with those being audited (individual change), but also with hospital management and senior administration (organizational change)

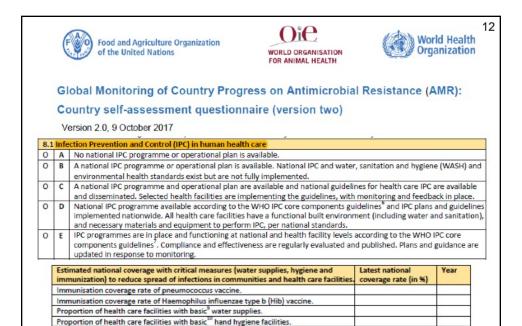


Core Component 6: National level – key remarks

- Systematic method to document the progress and impact of national programmes in terms of defined indicators, e.g. tracking hand hygiene improvement as a key performance indicator, including hand hygiene compliance monitoring - strong recommendation
- National level monitoring and evaluation should have in place mechanisms that:
 - Provide regular reports on the state of the national goals (outcomes and processes) and strategies
 - Regularly monitor and evaluate the WASH services, IPC activities and structure of the health care facilities through audits or other officially recognized means
 - Promote the evaluation of the performance of local IPC programmes in a non-punitive institutional culture



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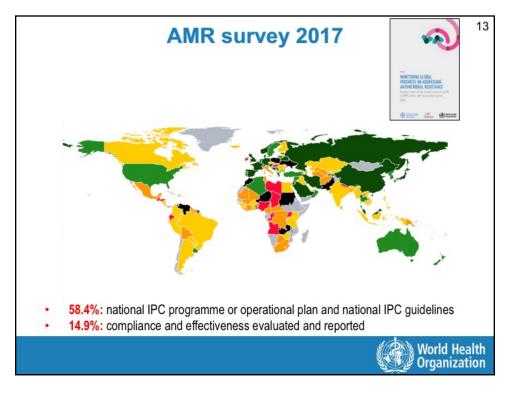


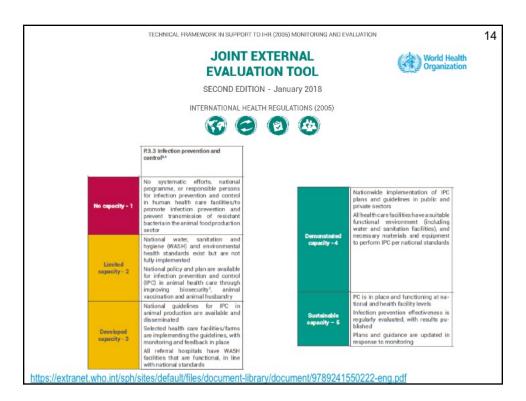
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Proportion of health care facilities with functional sanitation facilities

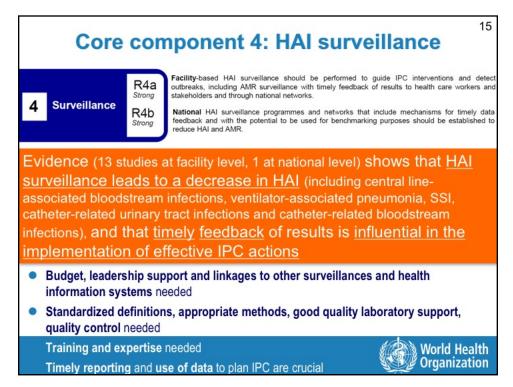
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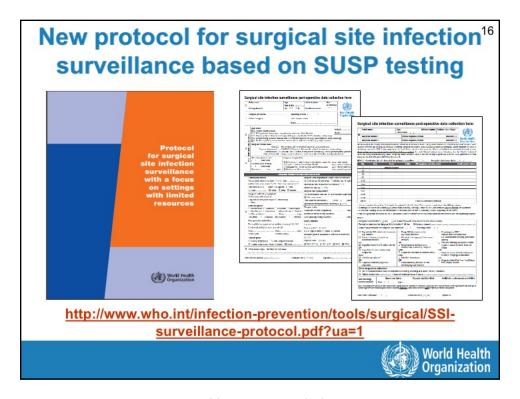
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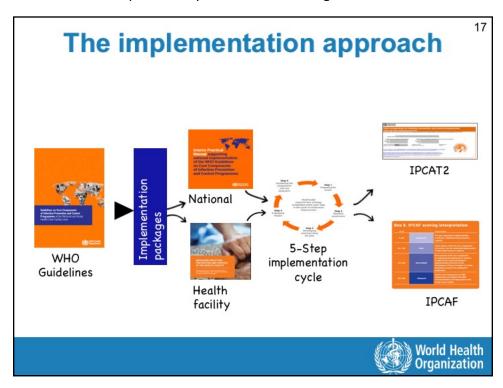


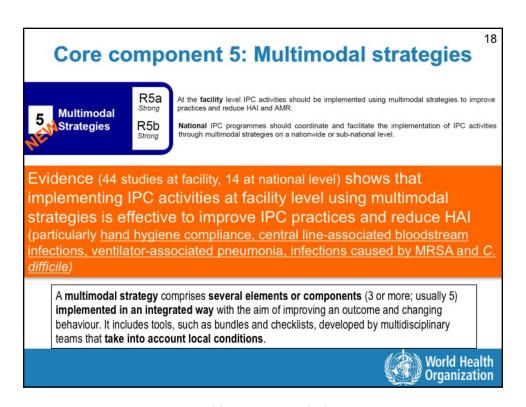


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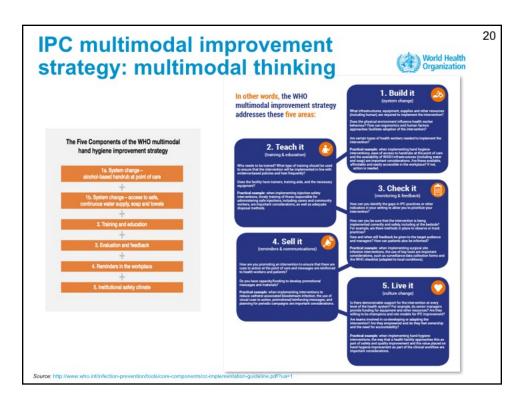


What is a multimodal strategy?

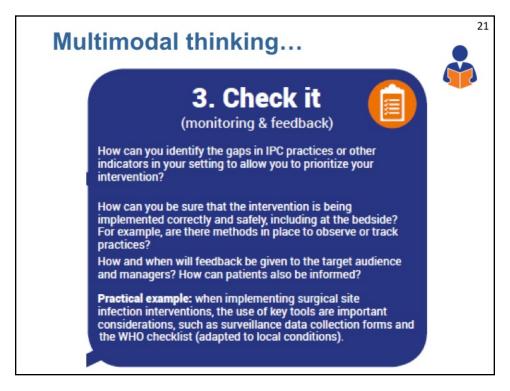
- It is "THE" way to achieve the system change, climate and behaviour that supports IPC progress and, ultimately, the measurable impact that benefits patients and health care workers.
- Multimodal thinking means that practitioners implementing IPC do not focus only on single strategies to change practices (for example, training and education), but consider a range of strategies that target different influencers of human behaviour, e.g. procurement, monitoring and feedback, infrastructures or organizational culture.
- All (five) areas should be considered and necessary action taken, based on the local context and situation informed by periodic assessments.
- Lessons from the field suggest that targeting only one of these five elements (using a "unimodal" strategy) is more likely to result in improvements that are short-lived and not sustainable.



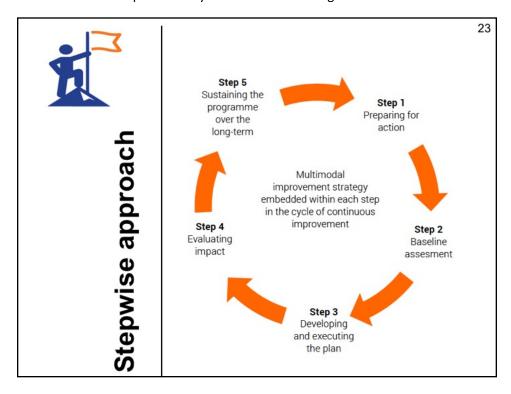
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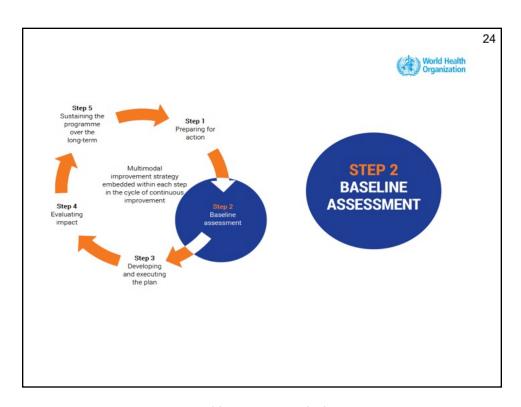


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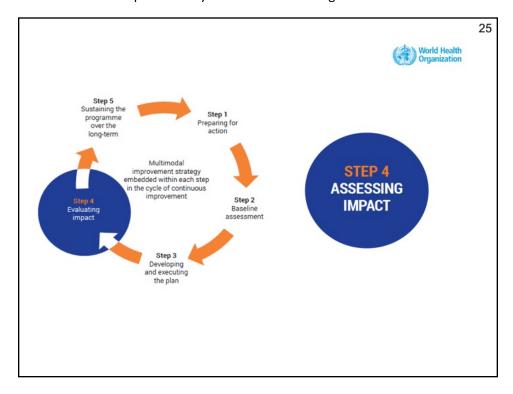


22 Plan-Do-Study-Act (PDSA) cycle Quality improvement method that provides a systematic process for gaining valuable learning and knowledge for the Do Plan continual improvement of a product, process, or service Study Act Model to accelerate PDSA Cycle improvement The W. Edwards Deming Institute W. Edwards Deming Institute: https://deming.org/explore/p-d-s-a





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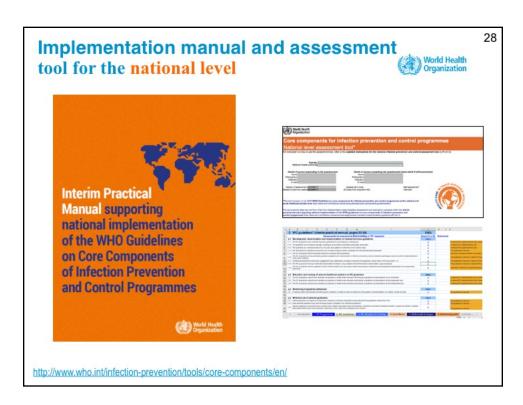
Assessments in a spirit of improvement



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- Regular assessments of IPC programmes are essential for continuous quality improvement.
- Assessment helps to create a sense of urgency for the changes needed to improve IPC, taking account of the WHO core component guideline recommendations.
- Assessment also helps to identify existing strengths and take stock of achievements made so far to convince decision-makers that success and progress is possible.
- By using a validated tool (e.g. WHO IPCAT2), you can be confident that the information collected is meaningful and will support improvement.





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IPCAT2 – purpose and target audience

World Health Organization 29

The main purpose of ICPAT2 is to support implementation, thereby providing a road map to guide IPC actions.

Purpose of the tool:

- It provides a quantitative evaluation of the different components of IPC programmes in a systematic way, allowing changes to be tracked over time.
- · To determine the core components already in place, i.e. existing strengths, &
- · To identify gaps or weaknesses to guide action planning.
- · IPCAT2 is not intended to be used as an audit tool.
- Its purpose is to help assess, plan, organize and implement a national IPC programme.
- The resulting scores can be used to measure and monitor progress in implementing IPC programmes at the national level.

Target audience:

- IPCAT2 focuses on the national IPC programme in its support of health care facilities in the country.
- IPCAT2 should be completed by health care professionals/teams responsible for organizing and implementing the national IPC programme.
- If the programme is not yet in place, the tool should be completed by professionals/senior ministerial staff who have in-depth understanding and knowledge of IPC activities in the country.

Structure of the IPCAT2

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6 sections

- 1. IPC programme
- 2. IPC guidelines
- 3. IPC education & training
- 4. HAI surveillance
- 5. Multimodal strategies
- 6. IPC Monitoring/audits & feedback

IPC Core Components At National Level



IPCAT2 – how to complete it



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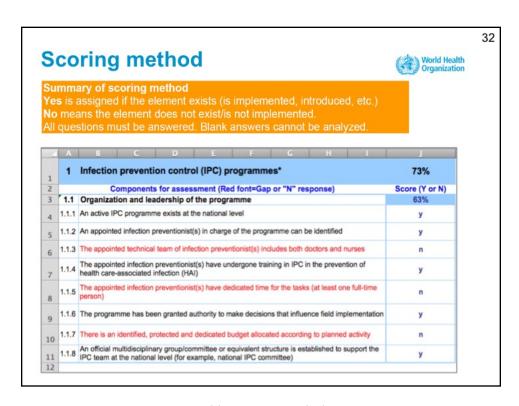
Type of assessment:

- IPCAT2 is intended to be used for self-assessment, but it can also be used for joint assessments with or external assessments by external experts.
- The self-assessment can be sufficiently objective if the responders fully realize
 the purpose of the evaluation, which is not to grade or to establish a position
 in a rating/ranking, but to identify strengths and weaknesses in order to
 effectively plan and implement improvement.
- To support assessment, one or more verifiers are suggested for each indicator.

Description of the tool

- · The tool is designed in Microsoft Excel, using basic features of the software.
- IPCAT2 workbooks include an introduction worksheet containing details of the assessor and institution, six separate worksheets for the six core components at the national level, and a summary sheet for data visualization.
- Each component is divided into a number of sections with essential elements (indicators) of IPC programmes. Every element contains a yes/no statement. Any single element is either fully implemented (yes) or not (no). Any partially implemented or intermediate progress in achievement can be recorded in the comments' fields, as well as any additional information/clarification
- A final field presents potential verifiers to guide the user in completing the tool.

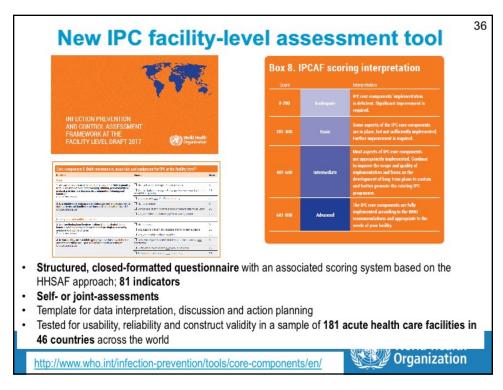
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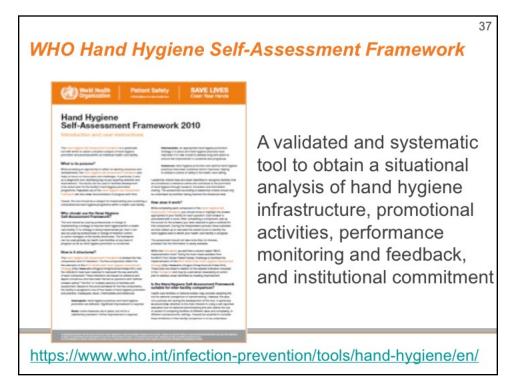


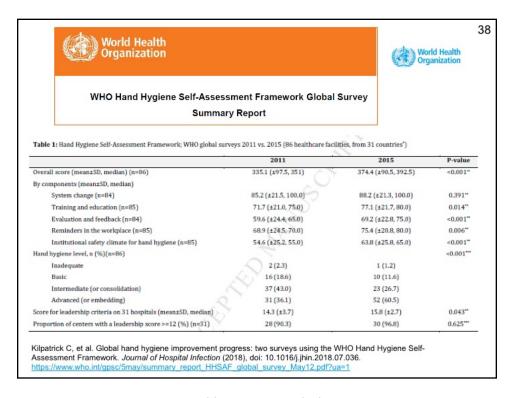
Assessment of IPC co	ore components at the national level - su	mmary results
IPC programmes		73%
IPC guidelines		75%
IPC education and training		100%
HAI infection surveillance	·	0%
Multimodal strategies Monitoring/audit of IPC practices, feedback a	and control collidian	0% 95%
Monitoring/audit of IPC practices, reeedack a	and control activities	80%
IPC programmes	73%	
IPC guidelines	79%	
IPC education and training	1994	100
HAI infection surveillance		
Mutmodal stategies		
Monitoring/audit of IPC practices, feedback and control activises	16%	
IPC programme		Operation of the products of t
Elements	Score	
Organization and leadership of the programme Defined scope of responsibilities	63%	
Linkages with other programmes and professional organizations	100%	
	Project Contract Cont	to with their programme and

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









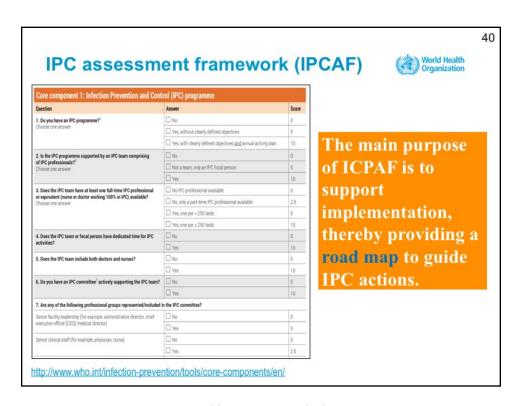
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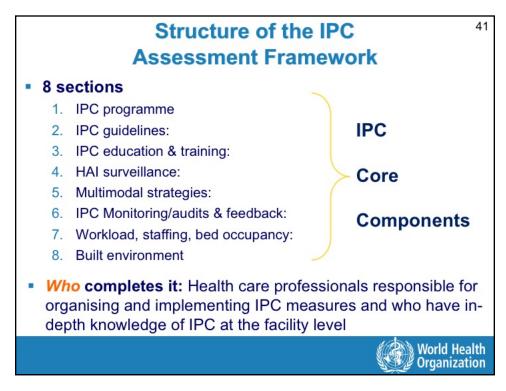
IPC & HH Assessment Frameworks

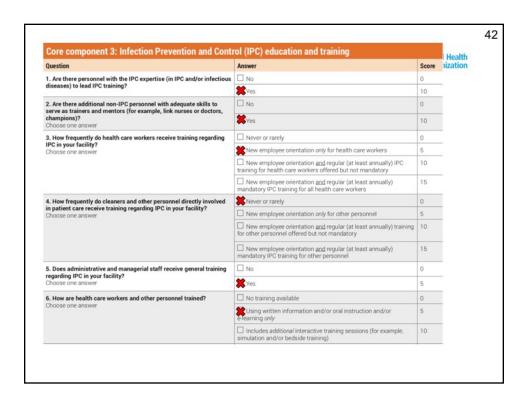
- Diagnostic tools
- Tested and validated tools
- Structured, closed-formatted, self-administered questionnaires with an associated scoring system
- AIM: to assess existing IPC & HH activities/resources and identify strengths and gaps that can inform future plans, and monitor progress over time
- Results can be used to develop a facility action plan to strengthen existing measures and motivate facilities to intensify efforts where needed, in order to meet international standards and requirements



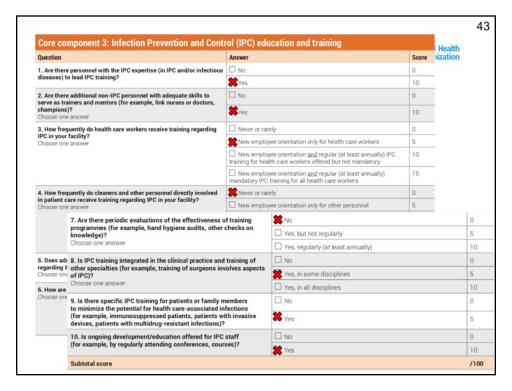
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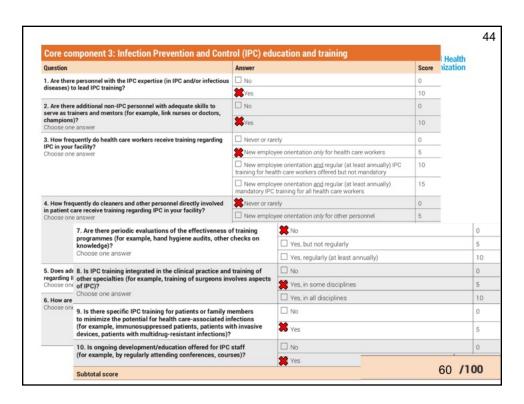






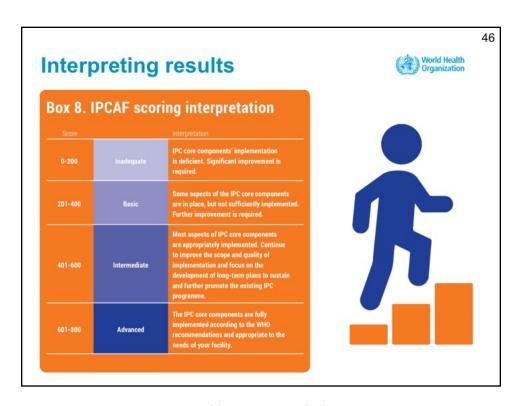
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IPCAF – analysis and interpretation of the results	World Health Organization
	Score
Section (Core component)	Subtotals
1. IPC programme	45
2. IPC guidelines	60
3. IPC education and training	75
4. HAI surveillance	20
5. Multimodal strategies	45
6. Monitoring/audits 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 /80
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



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IPCAF – Review the results and develop an action plan



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- Review the areas identified by this evaluation as requiring improvement in your facility and develop an action plan to address them.
- To undertake this task, consult the WHO Interim practical manual supporting implementation of the WHO Guidelines on Core Components of Infection Prevention and Control Programmes which will provide you with guidance, templates, tips, and examples from around the world as well as with a list of relevant IPC improvement tools.
- Keep a copy of this assessment to compare with repeated uses in the future.

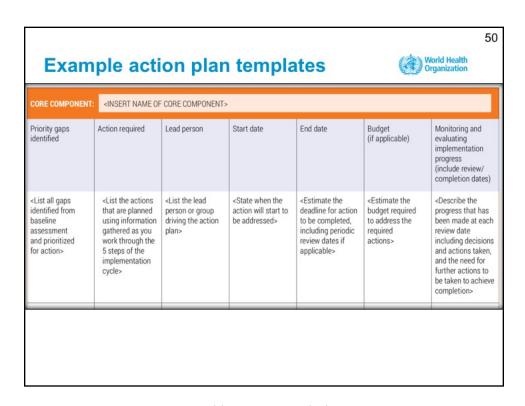
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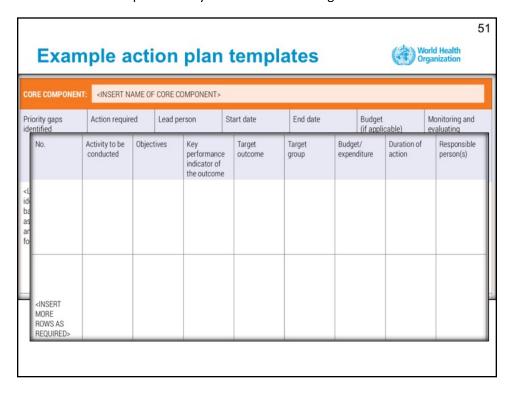
Detailed facility assessment

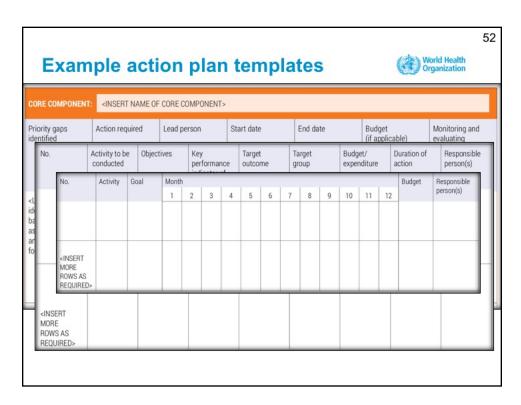
IPCSAF Section	Strengths	Gaps
1. IPC		
programme		
2. IPC guidelines		

Repeat this table up to Core Component 8

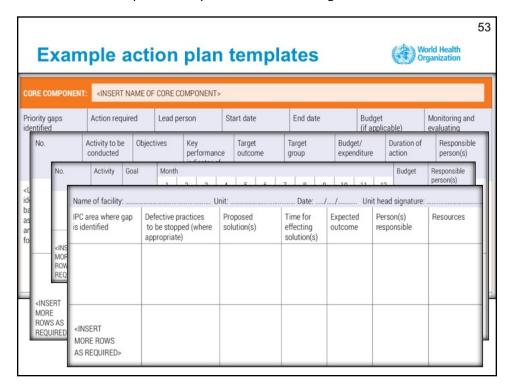








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Priority gap	Action required and link to available tools/ resources	Lead person and other team member	Timeline	Budget/ resources
No (evidence-based, consistent) IPC guidelines available (and no engagement of other clinicians and managers in this process)	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.	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
SAMPLE Priority gap	ACTION PLAN: IPC T Action required and link to available tools/resources	Lead person and other team		Budget/
Augustin in the	Control of the April of the Control	Lead person and other team members • IPC lead/focal person as of and the		0.00

2019 WHO GLOBAL SURVEY on Infection Prevention and Control and Hand Hygiene

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WHO IPC global survey 2019 Use the two tools*, calculate your score, show your progress! As part of SAVE LIVES: Clean Your Hands 5 May 2019 Prepare: Take part in WHO Jan-Feb - complete Mar-Apr -Read the webinars, hear IPCAF3, act on complete HHSAF4, tools and more about using your results and act on your results documents1-4 the tools and how submit your results and submit your to take part in the to WHO online results to WHO global survey⁵ online Participate in the WHO global survey starting Jan 2019! (Report to be launched end of 2019) *Facility level tools to be used: IPC Assessment Framework (IPCAF), Hand Hygiene Self Assessment Framework (HHSAF) http://www.who.int/infection-prevention/tools/core-components/en/ http://www.who.int/infection-prevention/tools/hand-hygiene/en/ http://www.who.int/infection-prevention/tools/core-components/IPCAF-facility.PDF?ua=1 http://www.who.int/gpsc/country_work/hhsa_framework_October_2010.pdf?ua=1

57 SAVE LIVES: Clean Your Hands - 5 May 2019 Monitoring IPC & Hand Hygiene – WHO Global Survey 2019 Tools: IPC Assessment Framework (IPCAF)* & Hand Hygiene Self-assessment Framework (HHSAF)** Survey conduct: 14 January - 14 May 2019 Survey analysis: May-August 2019 Sample: - Open voluntary participation by health care facilities around the world + countries Stratified sub-sample Data submission: online protected system Data confidentiality and property: WHO's and MS (upon specific agreement) – data completely Planning: Month 1: preparations for IPCAF Month 2: IPCAF completion Month 3: preparations for HHSAF Month 4: HHSAF completion Tools completion on paper at HCF level II. Submission online or by email Report: to be issued by WHO by 2019 ${\color{blue} {}^{\underline{}}} {\color{blue} {}^{\underline{}}}} {\color{blue} {\color{blue} {}^{\underline{}}}} {\color{blue} {\color{blue} {}^{\underline{}}}} {\color{blue} {\color{blue} {}}} {\color{blue} {\color{blue} {}^{\underline{}}}} {\color{blue} {\color{blue} {\color{blue} {}}} {\color{blue} {\color{blue} {}^{\underline{}}}} {\color{blue} {\color{blue} {}}} {\color{blue} {$ World Health Organization **http://www.who.int/gpsc/country_work/hhsa_framework_October_2010.pdf?ua=1



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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	(European Teleclass) 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	

