



Schweizerische Eidgenossenschaft
Confédération suisse
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Département fédéral de l'intérieur DFI
Office fédéral de la santé publique OFSP



Atelier des parties prenantes 2024

Stratégie NOSO

8 novembre 2024



08.11.2024

Mise en œuvre de la Stratégie NOSO



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Stratégie NOSO

État de la mise en œuvre



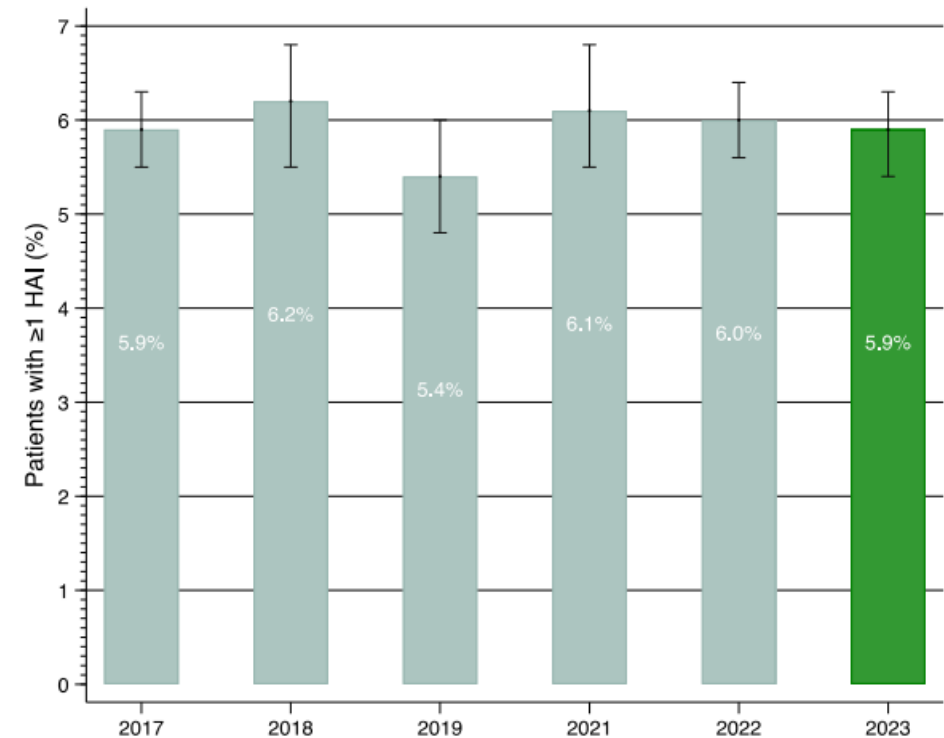
08.11.2024

Mise en œuvre de la Stratégie NOSO/Véronique Kobel



Les infections associées aux soins sont trop fréquentes – encore aujourd’hui

- Dans les hôpitaux suisses, la fréquence des IAS est de 6%
- Jusqu'à la moitié de celles-ci est évitable



HAI-prevalence since 2017 in all participating hospitals.

Extrait de: "Point prevalence survey 2023 of healthcare-associated infections and antimicrobial use in Swiss acute care hospitals", Feb. 2024, Swissnoso.



Pour la réduction de ces infections

- **Objectifs globaux de la Stratégie NOSO:**
 1. Réduire les IAS dans les hôpitaux et les établissements médico-sociaux
 2. Augmenter la sécurité des patients
 3. Éviter les coûts inutiles
- La Stratégie NOSO permet une **mise en œuvre de mesures nationale et coordonnée**
- Basée sur la **Loi sur les épidémies**
- Tous les **acteurs** sont responsables à leur niveau



La mise en œuvre est un projet collectif







Les principes de la mise en œuvre

- **Participation**
- Construire sur **l'existant** et **combler les lacunes**
- Prise en compte des **besoins et des spécificités** des établissements de santé
- **Coordination** avec d'autres stratégies et programmes nationaux

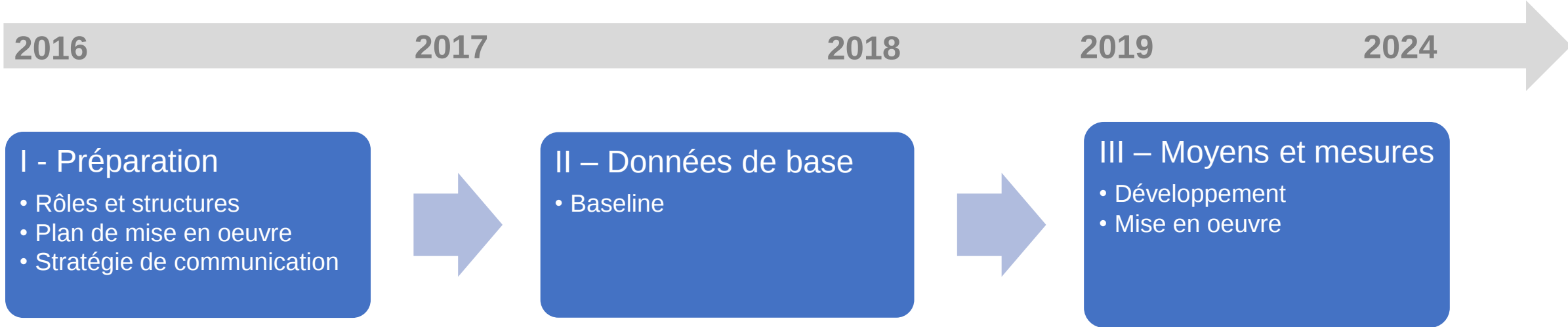
Réduire les infections associées aux soins (HAI)

Stratégie NOSO

Gouvernance	Monitoring	Prévention et lutte	Formation et recherche	Évaluation
G-1 Normes et directives	M-1 Système de monitoring national	BL-1 Optimisation et développement	FR-1 Prévention des infections dans la formation	E-1 Baseline
G-2 Compétences et structures	M-2 Utilisation ciblée des données	BL-2 Sensibilisation et implication	FR-2 Promotion de la recherche	E-2 Évaluation stratégie NOSO
G-3 Soutien de la mise en oeuvre	M-3 Détection précoce	BL-3 Culture d'apprentissage et de dialogue	FR-3 Nouvelles technologies et assurance qualité	
G-4 Gestion des connaissances		BL-4 Promotion de la prévention vaccinale		



Phases de la mise en oeuvre





Nous sommes sur la bonne voie

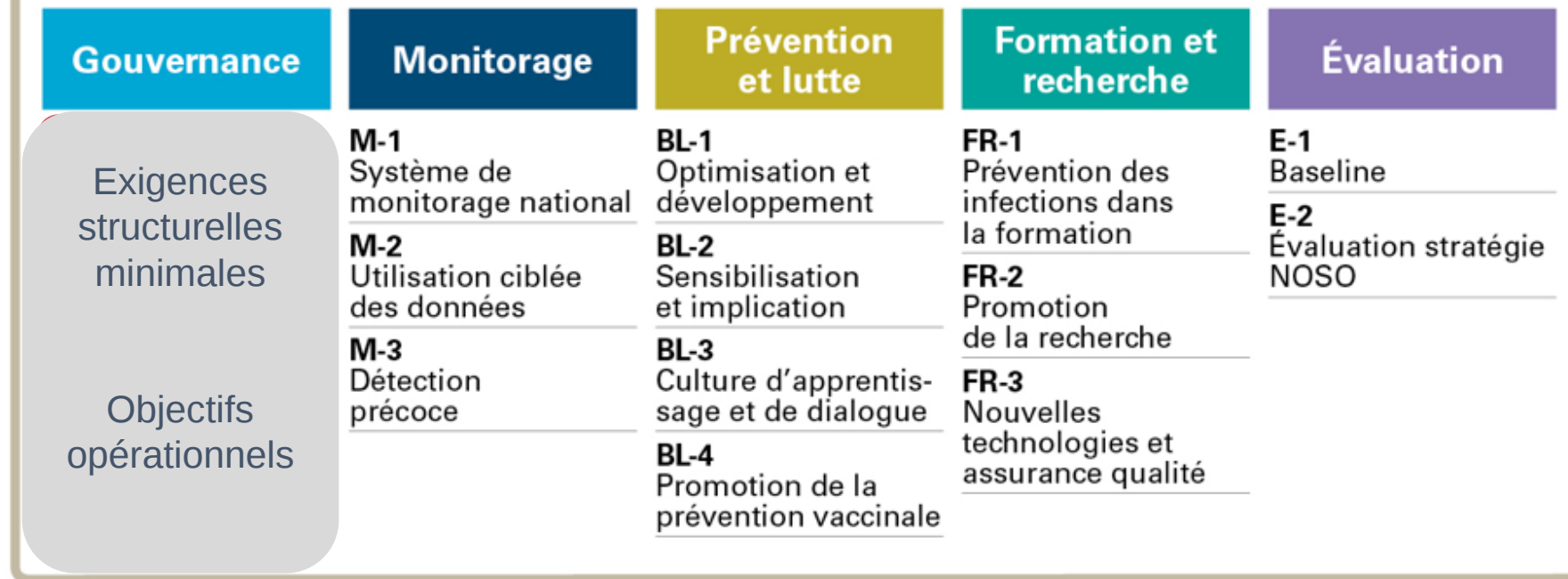
- De façon globale, des mesures ont été introduites dans tous les champs d'action.
- Les mesures mises en œuvre se sont principalement concentrées sur les hôpitaux.
- Des mesures pour les établissements médico-sociaux sont en cours de développement.
- La collaboration avec les partenaires est centrale et fonctionne bien.



Mesures dans les hôpitaux en 2023-2024

Réduire les infections associées aux soins (HAI)

Stratégie NOSO





Recommandations pour les hôpitaux

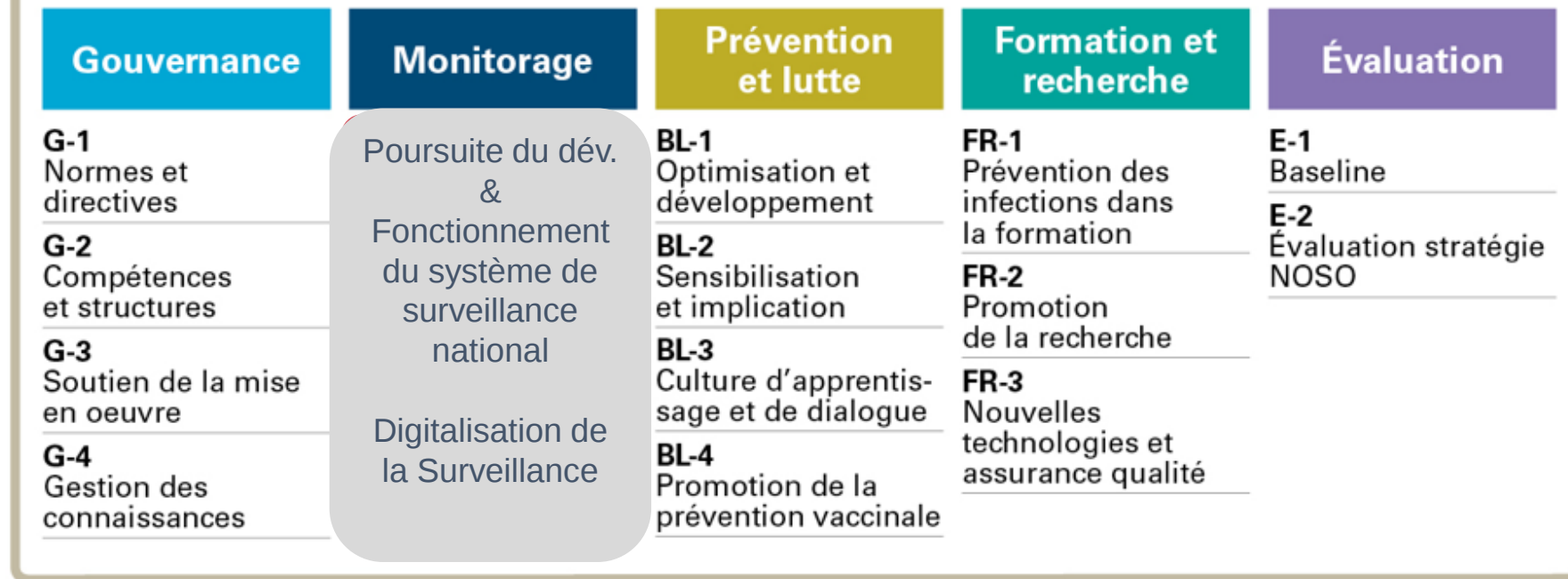


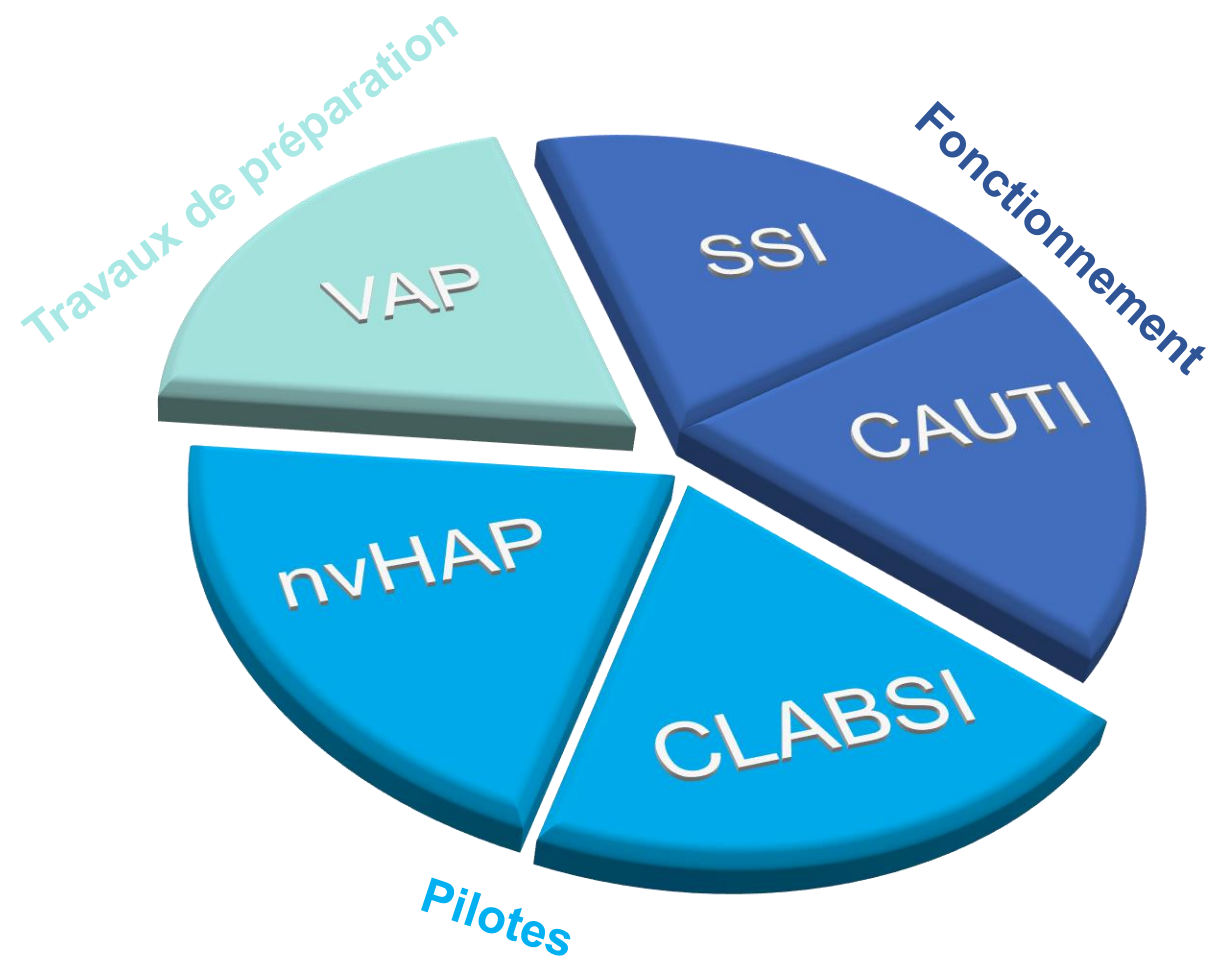


Mesures dans les hôpitaux en 2023-2024

Réduire les infections associées aux soins (HAI)

Stratégie NOSO



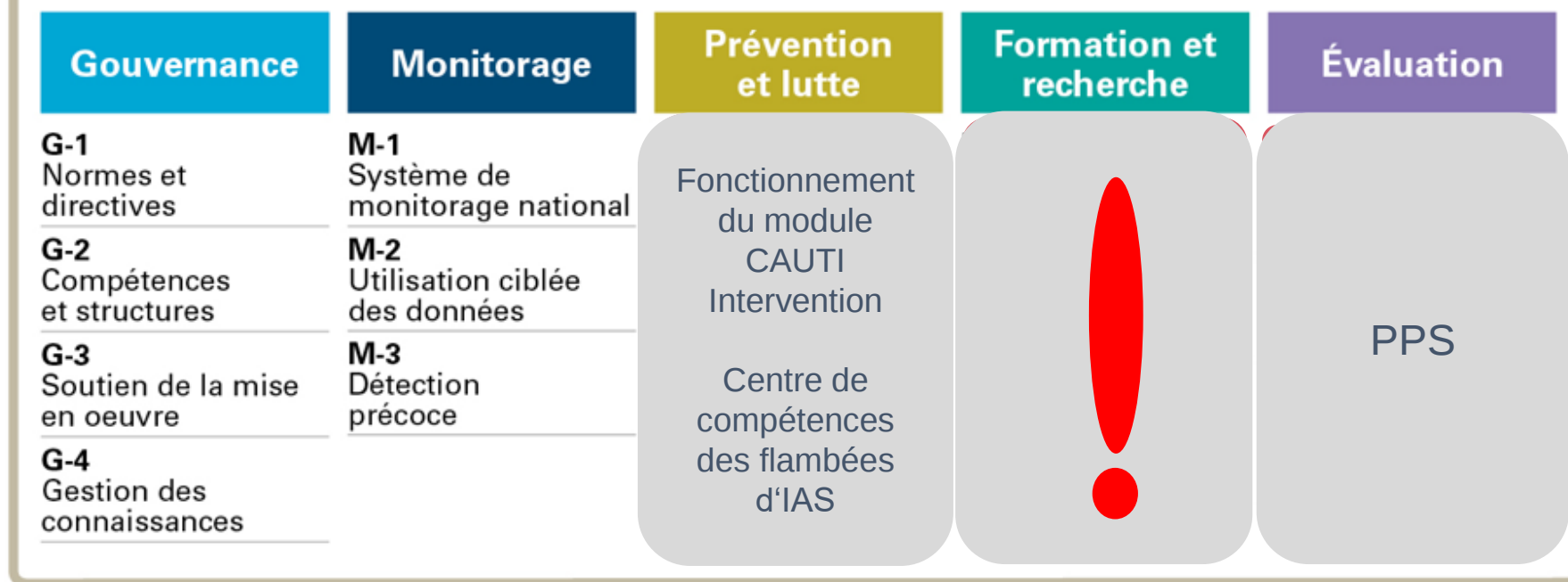




Mesures dans les hôpitaux en 2023-2024

Réduire les infections associées aux soins (HAI)

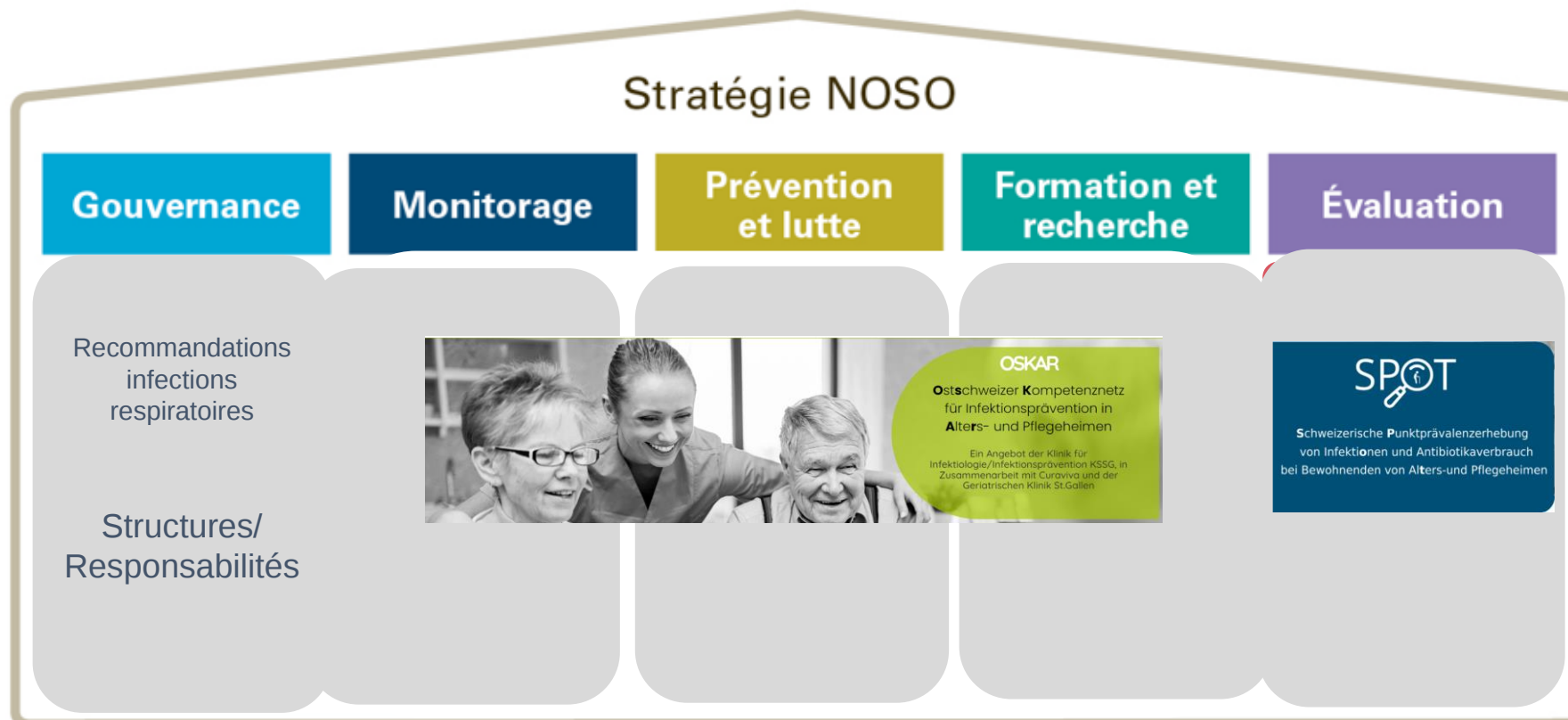
Stratégie NOSO



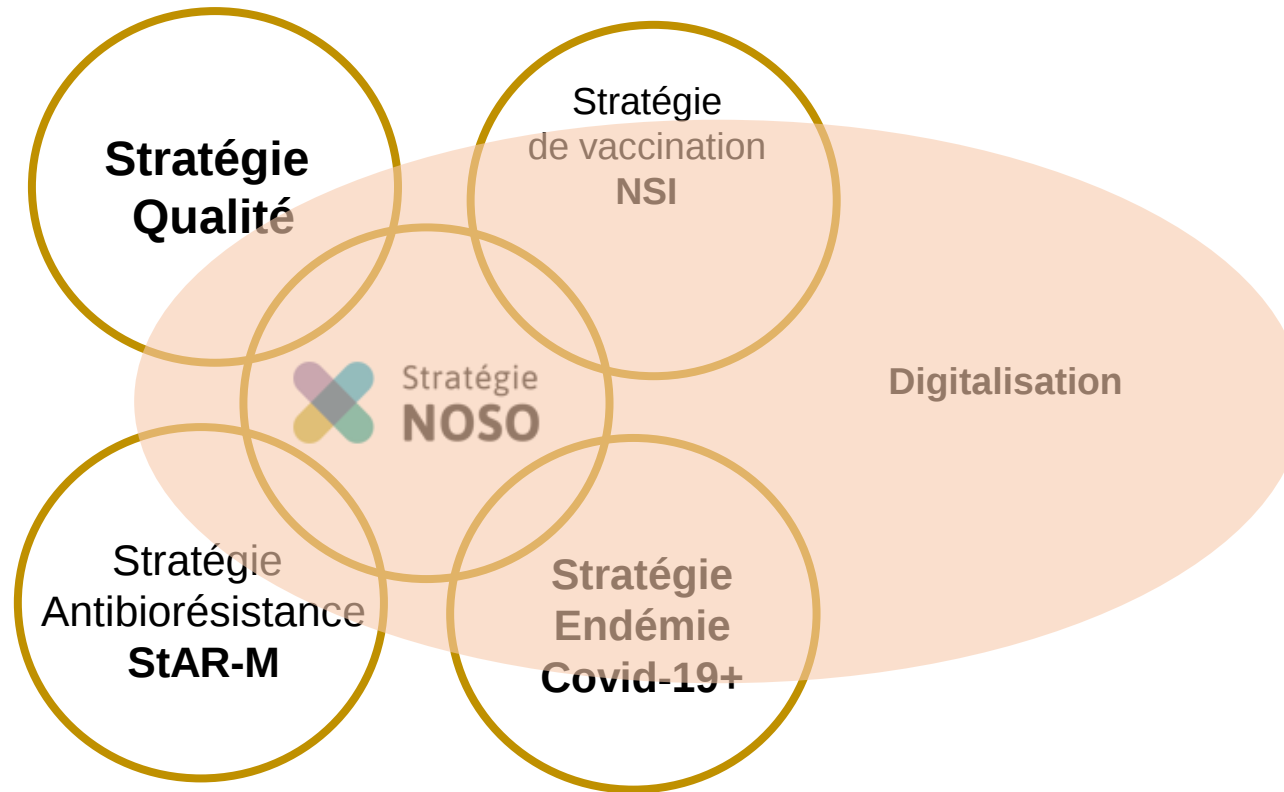


Mesures dans les EMS en 2023-2024

Réduire les infections associées aux soins (HAI)



Élaboration du Plan d'action pour les EMS



- Coordination et collaboration
- Interfaces: avant tout standards, utilisation des données, monitoring



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Merci pour votre attention



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Stratégie
NOSO

Stratégie NOSO

Les années à venir





Jalons

Prolongation
de la stratégie
jusqu'en 2027



Évaluation de la
Stratégie NOSO

2023

2024

2025

2026

2027

2028

2030

Point fort Hôpitaux
Formation

Point fort EMS
Publication & Lancement
de la mise en oeuvre du plan d'action

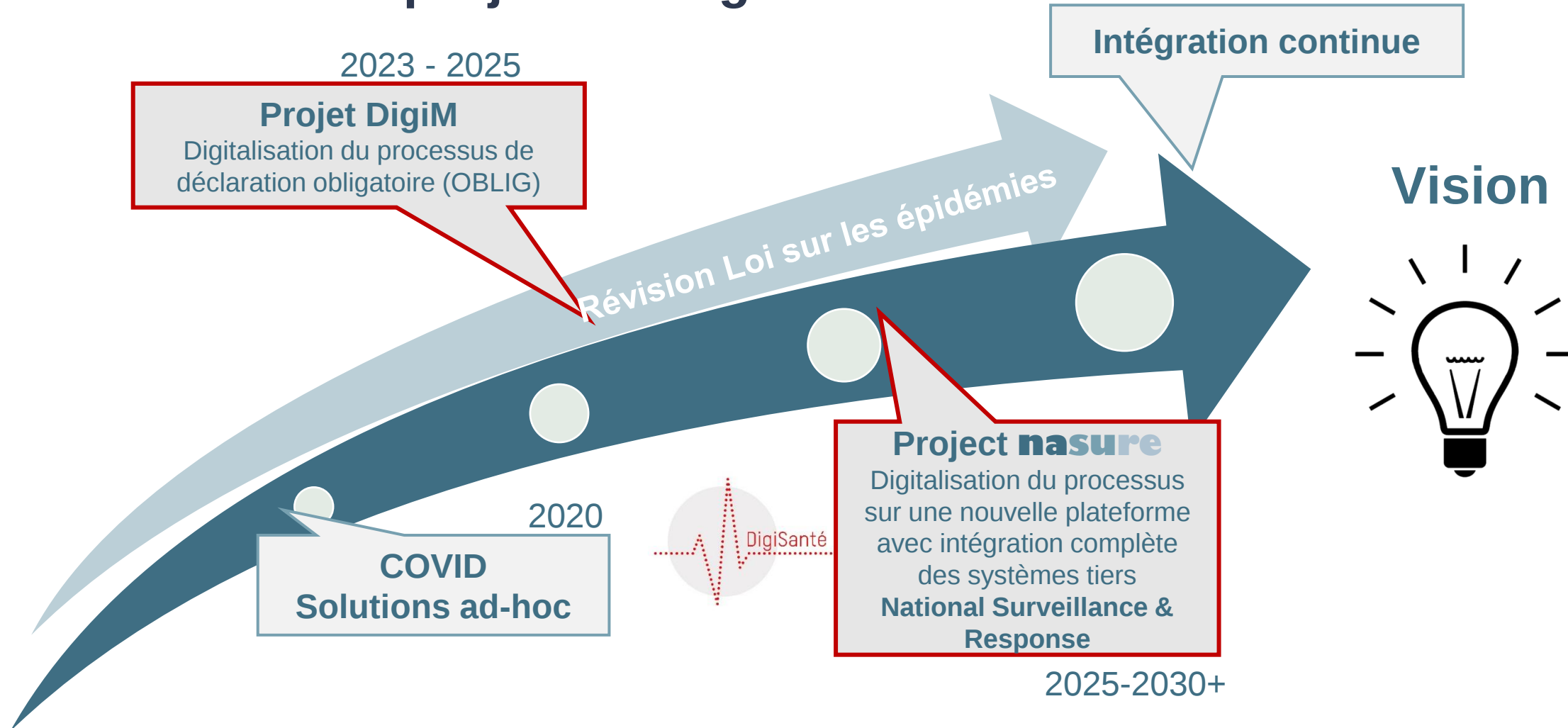
LEp révisée

Thèmes centraux

- Ancrage
- Coûts-Financement
- Formation
- Système de surveillance

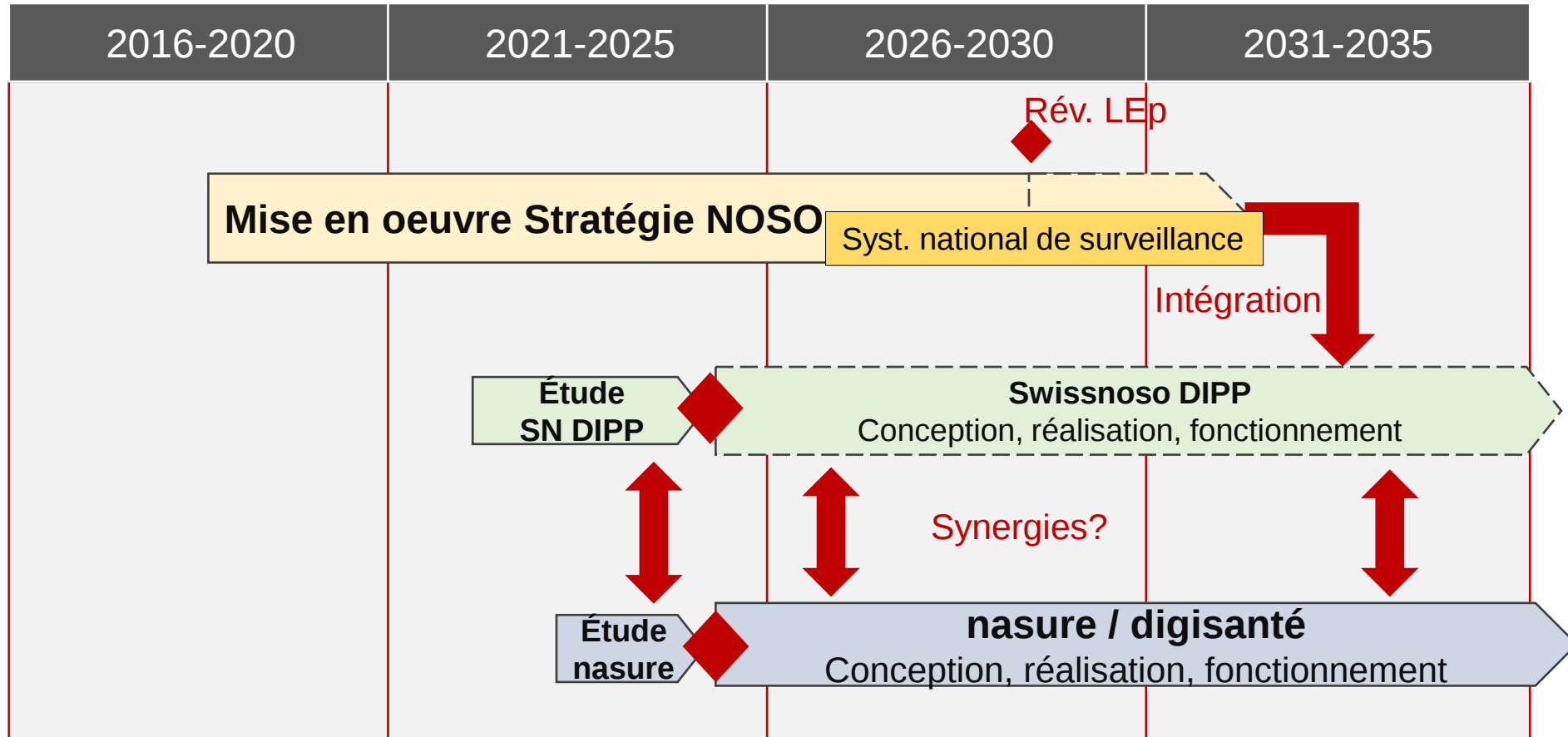


Feuille de route des projets de digitalisation OFSP





Systemes de surveillance – Interactions





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Merci de votre attention

Infections, prévention et contrôle : perspectives internationales

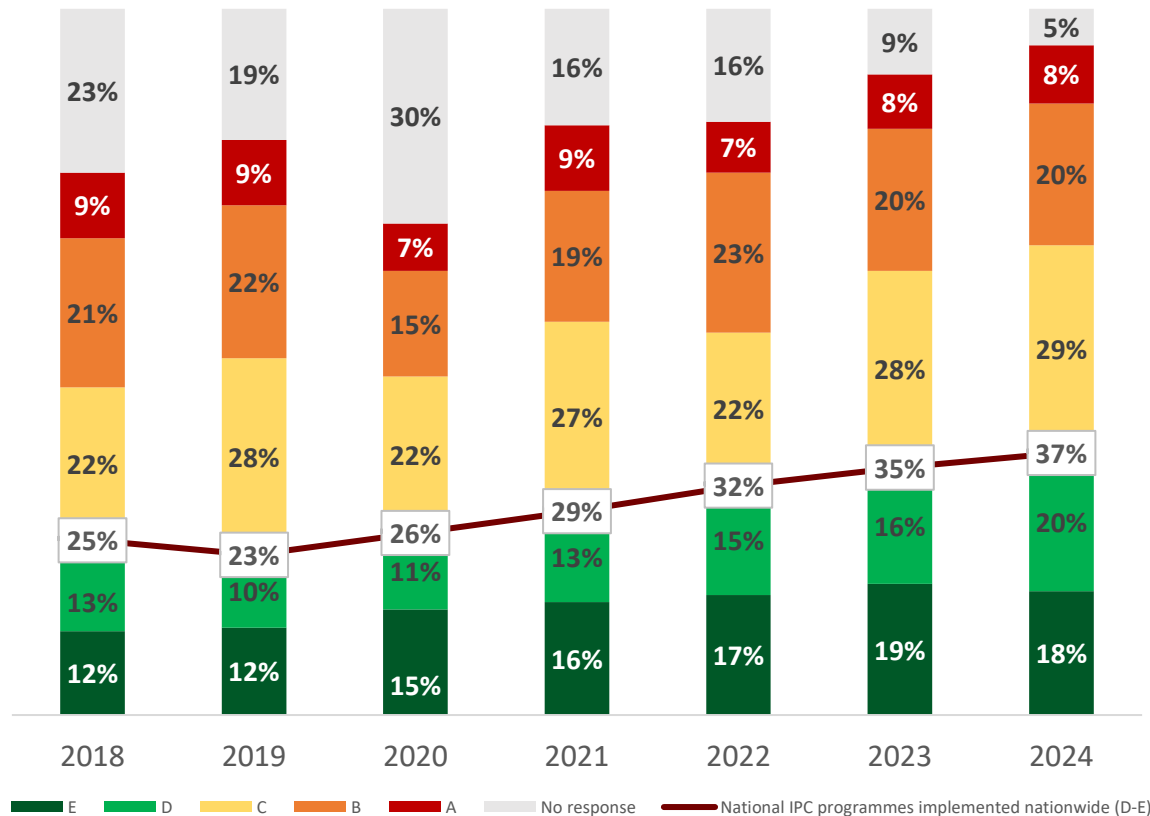
Dr Benedetta Allegranzi
Unit head & technical lead, IPC Unit
and Hub, WHO HQ



National implementation of IPC programmes

Tripartite AMR Country Self-Assessment Survey 2024

7-year trend: National IPC programmes (% of N=194)



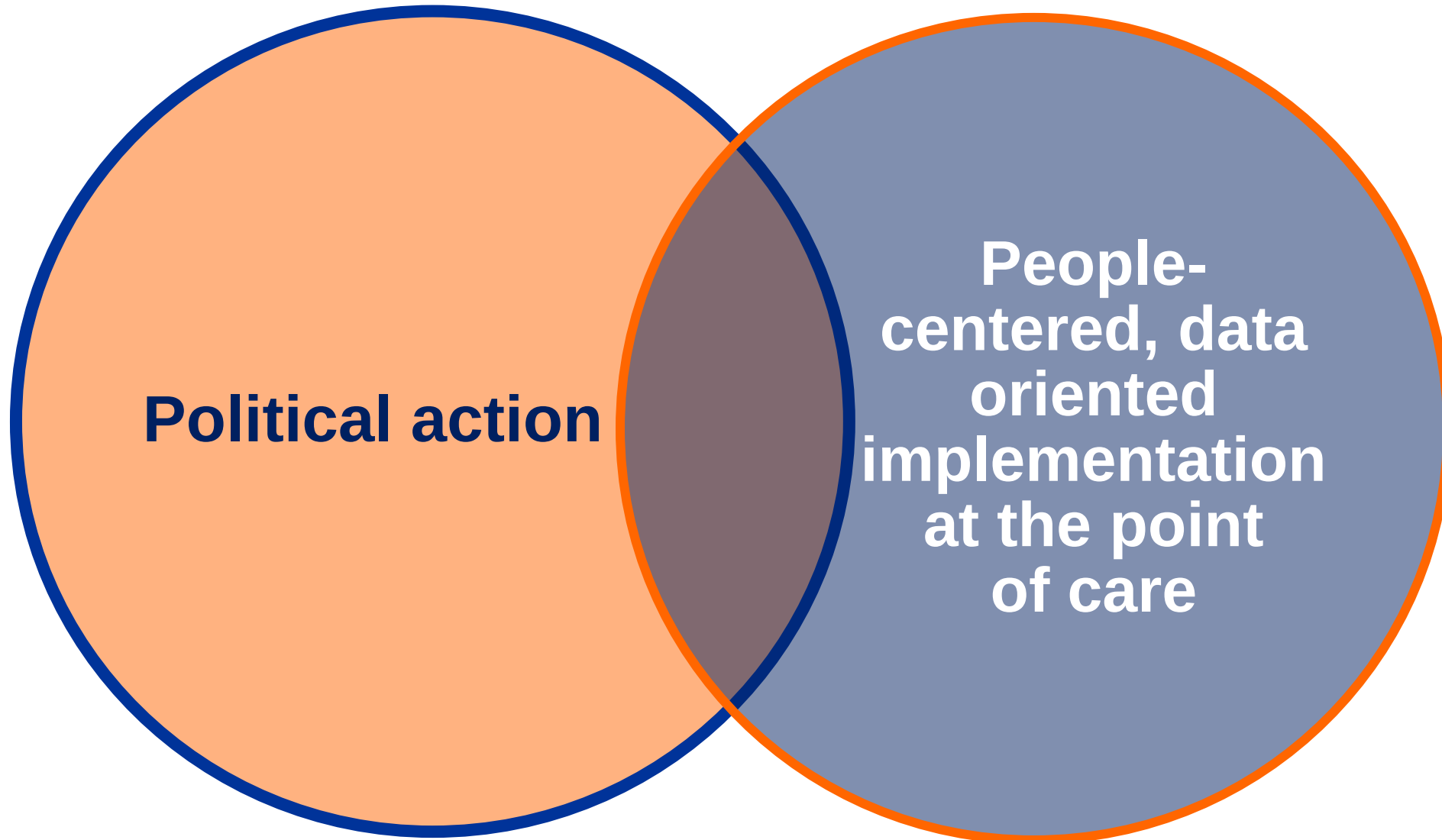
Country progress with developing national IPC programmes and implementing them (level D-E) has been slow but steadily growing

<https://amrcountryprogress.org/>

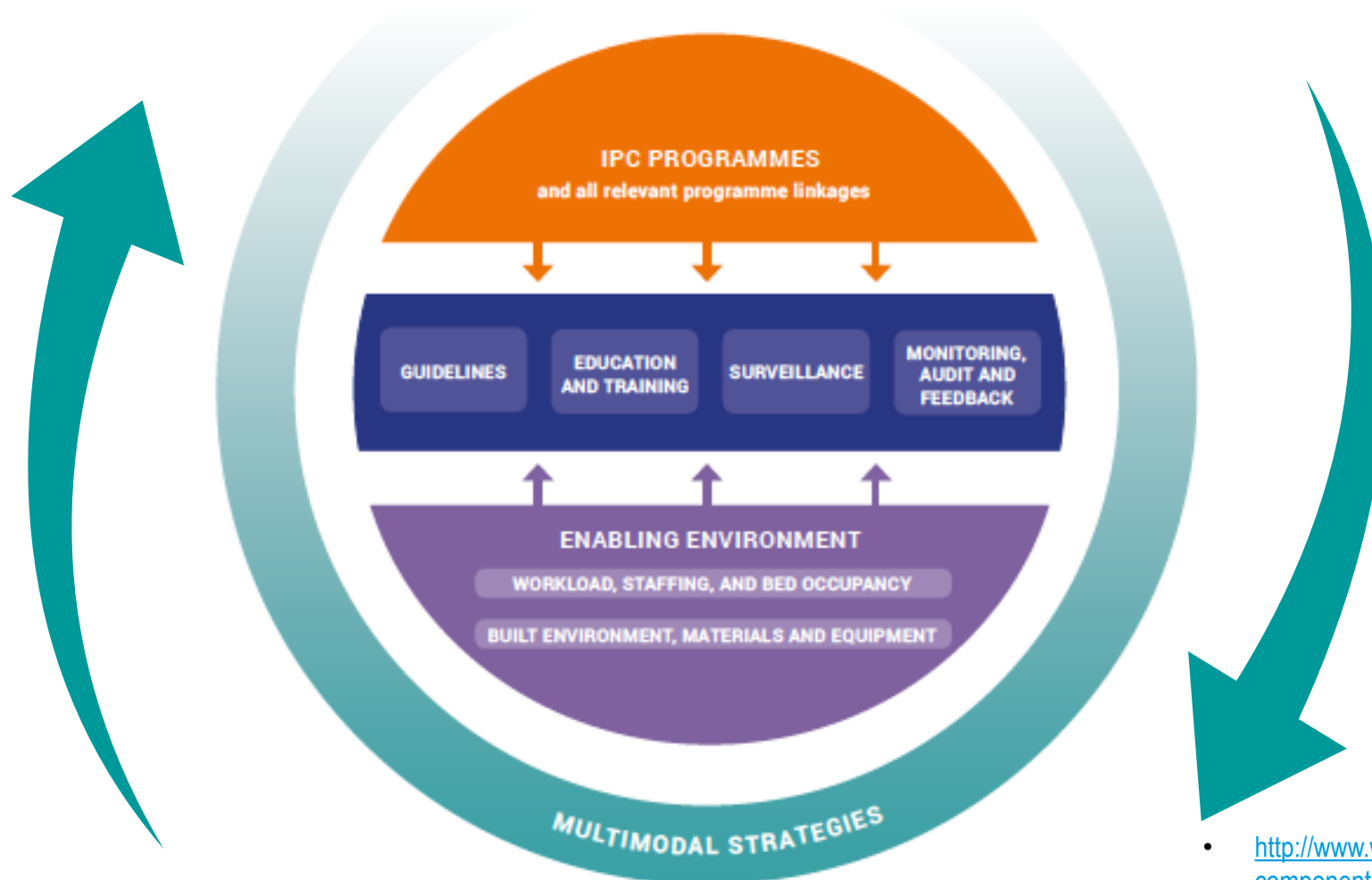
- **93%:** countries reporting to have **IPC programme/plan**
- **44%:** have a dedicated **budget**
- **38%:** are **implementing** the IPC programme **nationwide**
- **3.8% and 6%** of countries met all WHO min requirements for IPC at the national level in 2021-22 and 2023-24
- **15.2% and 15.8%** of health care facilities met all WHO min requirements for IPC in 2019 and 2023-24

Note: A - No national IPC programme/operational plan is available. B - A national IPC programme/operational plan is available with national IPC and WASH and environmental health standards but are not fully implemented. C - A national IPC programme/operational plan and national guidelines for health care IPC are available and disseminated, but selected health facilities are implementing the guidelines, with monitoring. D - National IPC programme available according to the WHO IPC core components guidelines* and IPC plans and guidelines implemented nationwide. E - IPC programmes are in place and functioning at national and health facility levels according to the WHO IPC core components guidelines; compliance and effectiveness are regularly evaluated and published, plans and guidance are updated in response to monitoring.

Two main directions for IPC improvement

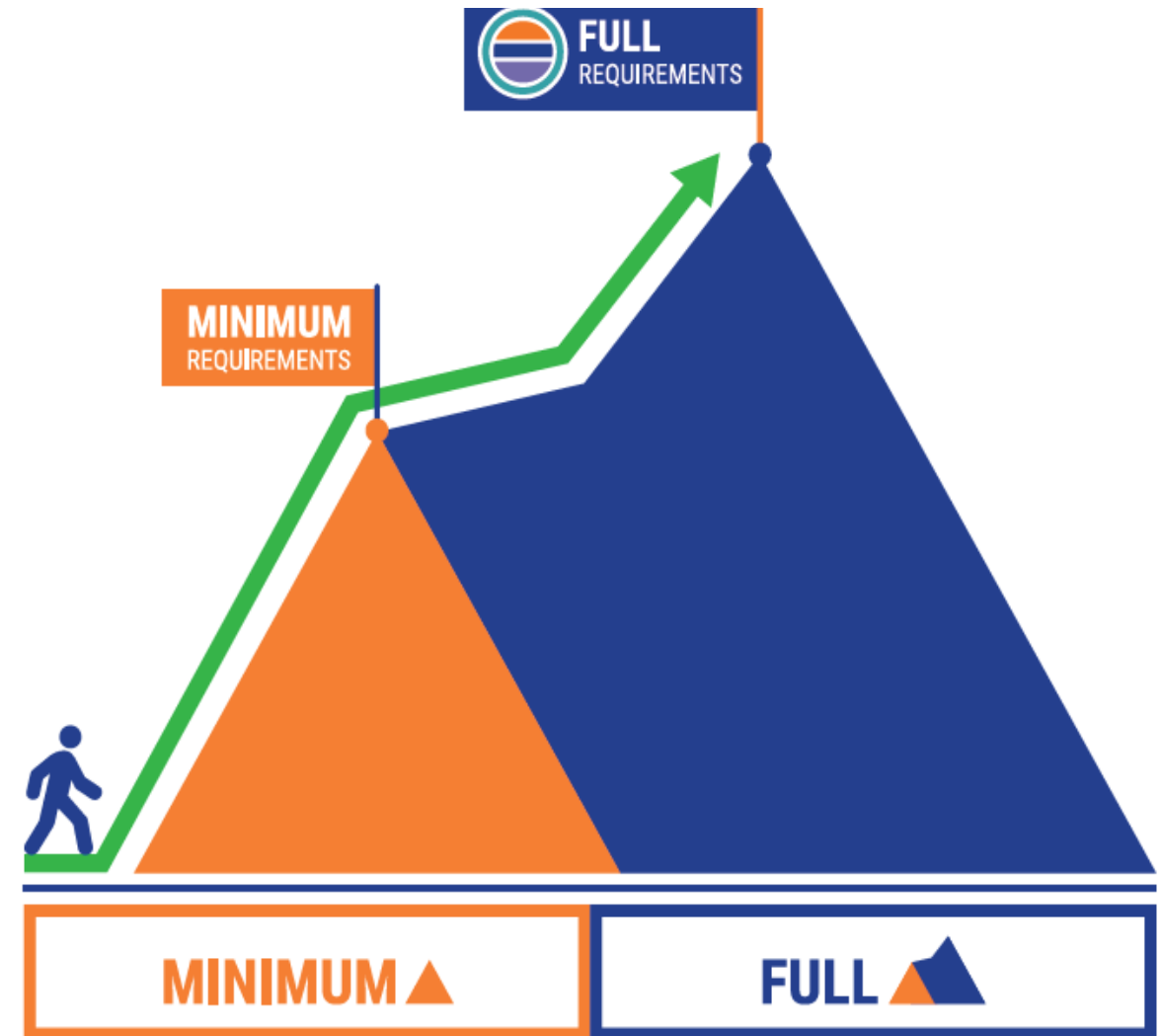
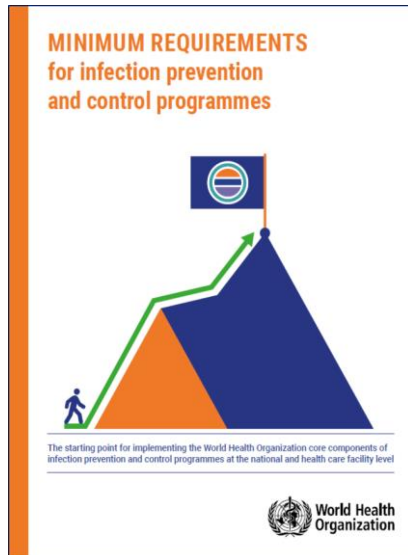
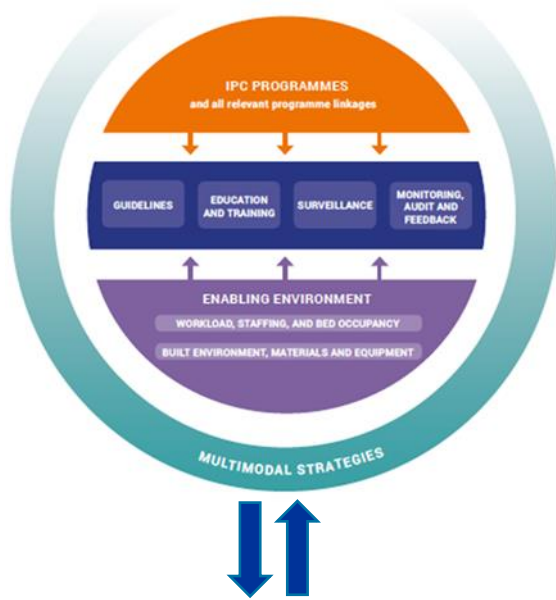


Core Components of effective IPC programmes



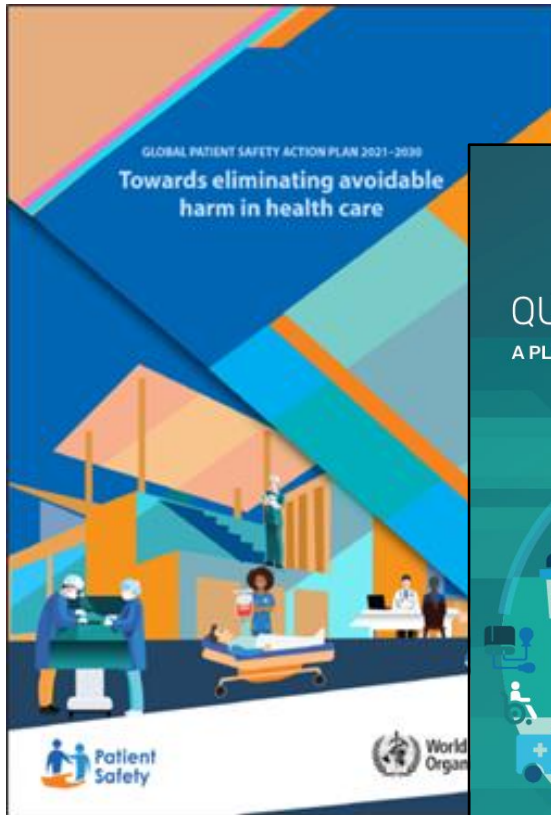
- <http://www.who.int/infection-prevention/publications/ipc-components-guidelines/en/>
- Zingg W et al. *TLID* 2015
- Storr J et al. *ARIC* 2017
- Price L et al. *TLID* 2017

A stepwise approach for implementation



<https://www.who.int/publications/i/item/9789241516945>

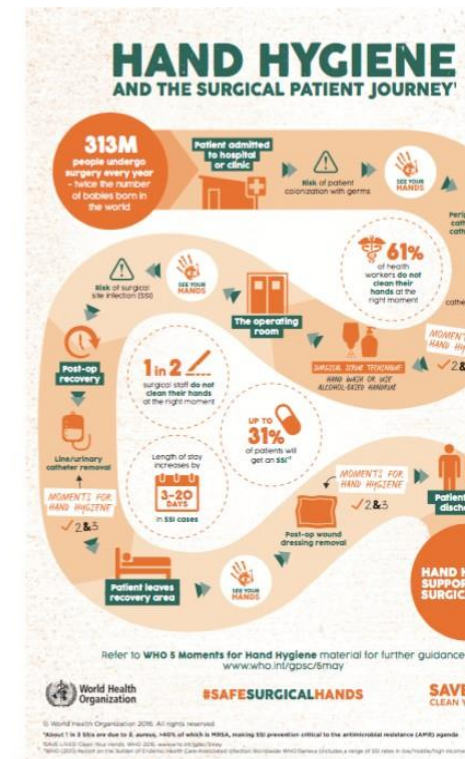
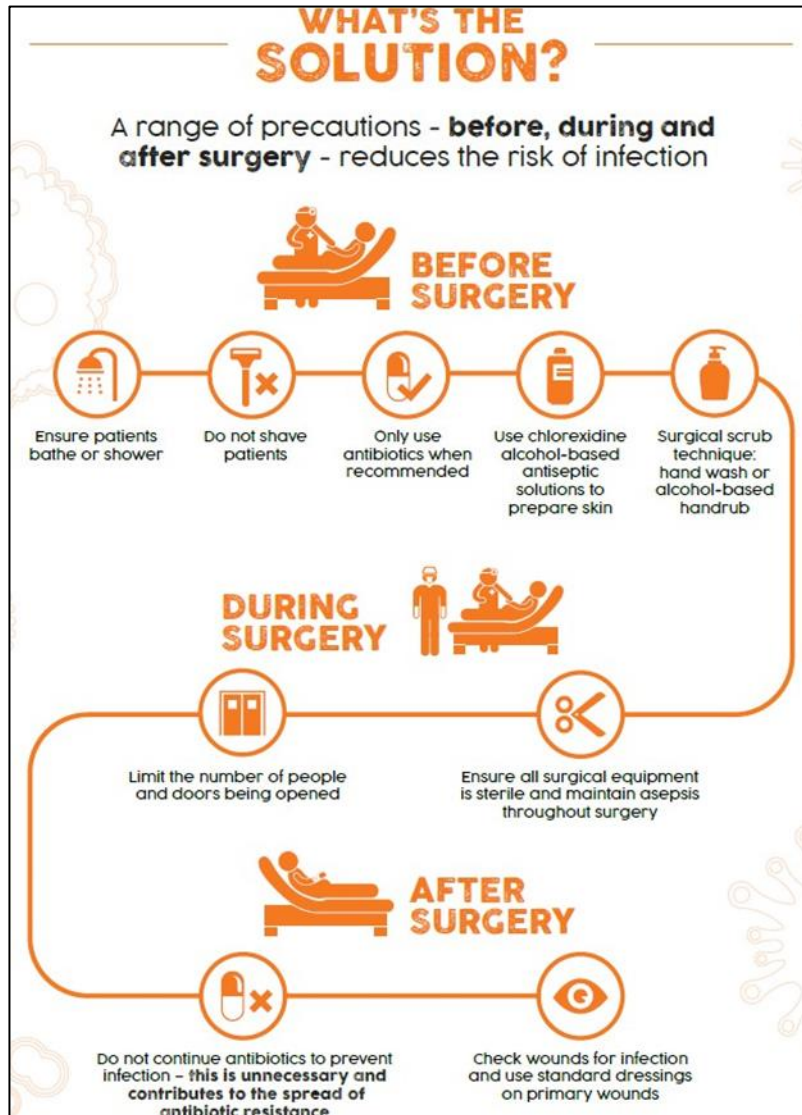
IPC & quality of care, patient safety and primary care



<https://www.who.int/teams/integrated-health-services/quality-health-services>
<https://www.who.int/teams/integrated-health-services/patient-safety>
<https://www.who.int/teams/integrated-health-services/infection-prevention-control>

<https://doi.org/10.1016/j.ajic.2023.10.011>

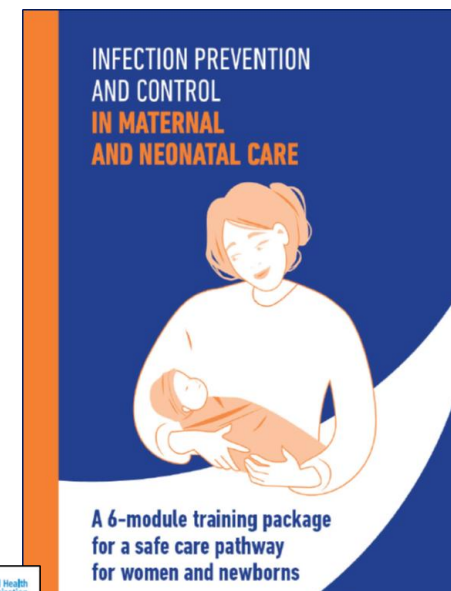
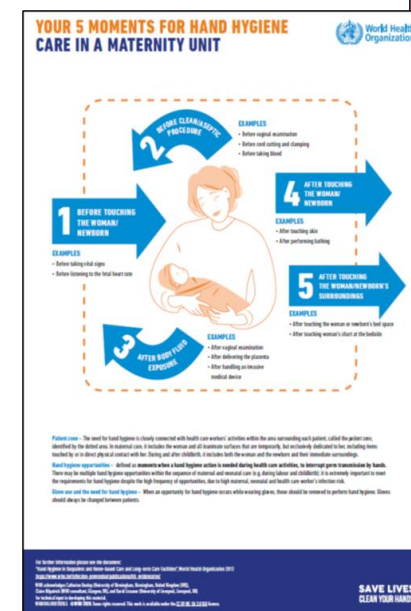
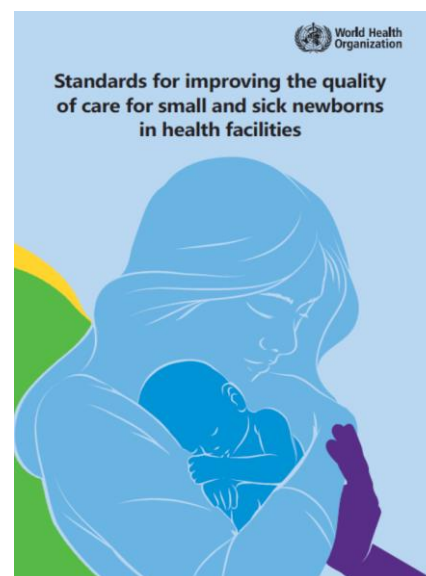
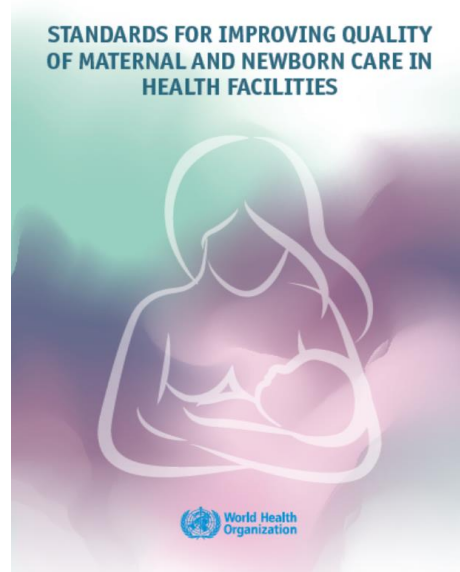
Integration of surgical site and other infection prevention in the surgical patient journey



IPC & maternal, newborn, child adolescent health and ageing care



- IPC training package for maternal & neonatal care
- Interprofessional Midwifery Education Toolkit
- WHO IPC recommendations for small and sick newborns
- IPC guidance for long term care facilities in the context of COVID-19



- <https://www.who.int/teams/maternal-newborn-child-adolescent-health-and-ageing/covid-19>
- [https://www.who.int/teams/sexual-and-reproductive-health-and-research-\(srh\)/overview](https://www.who.int/teams/sexual-and-reproductive-health-and-research-(srh)/overview)

HAI/AMR and sepsis prevention among critically-ill and vulnerable patients



Infection prevention and control



Clinical Management of Sepsis

Each year, sepsis affects up to 50 million people and causes 11 million deaths globally. Patients who are critically ill with sepsis present at all levels of the health system and need to receive timely, quality care wherever they are.



Sepsis

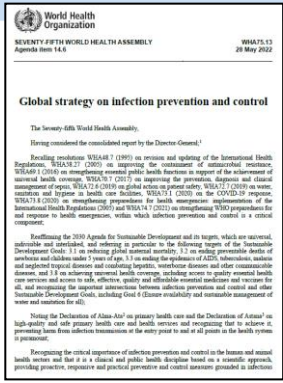
<https://www.who.int/news-room/fact-sheets/detail/sepsis>

IPC 2022-2030: Elevating IPC in the global health and political agenda

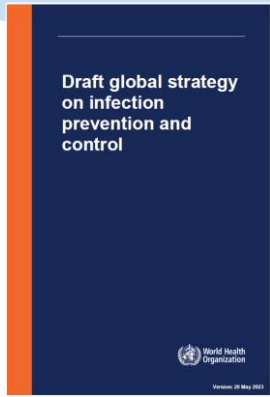


- 3 global consultations
- 6 regional consultations
- 3 international expert consultations
- Global Delphi survey for MF

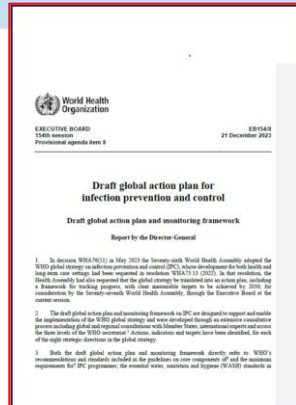
IPC resolution adoption at 75th WHA



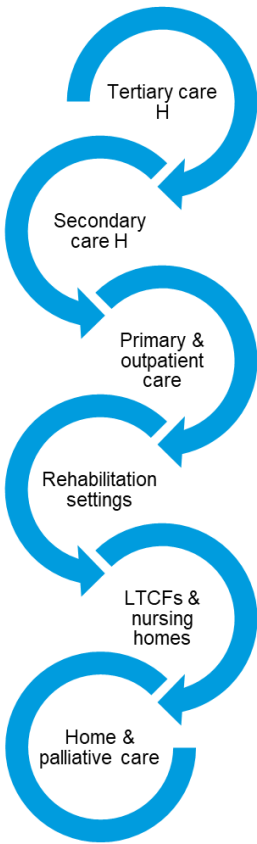
IPC global strategy adoption by EB and WHA 2023



IPC ACTION PLAN BY WHA 2024

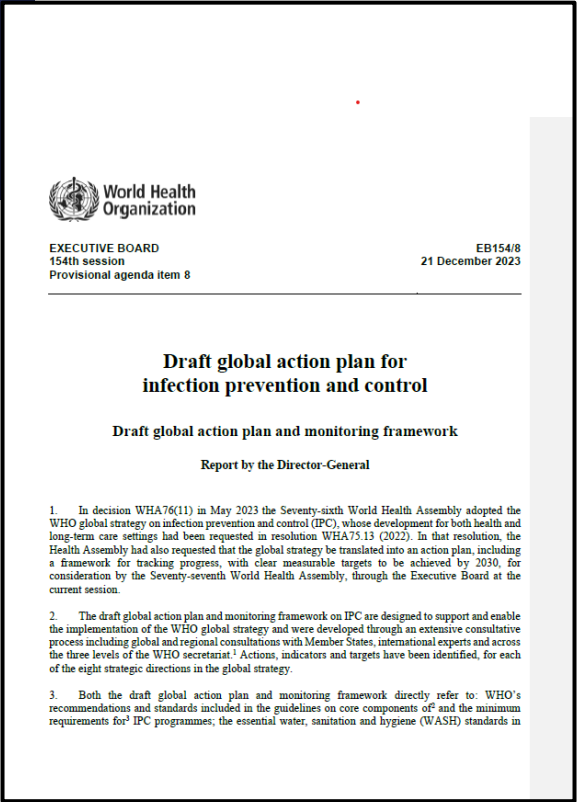
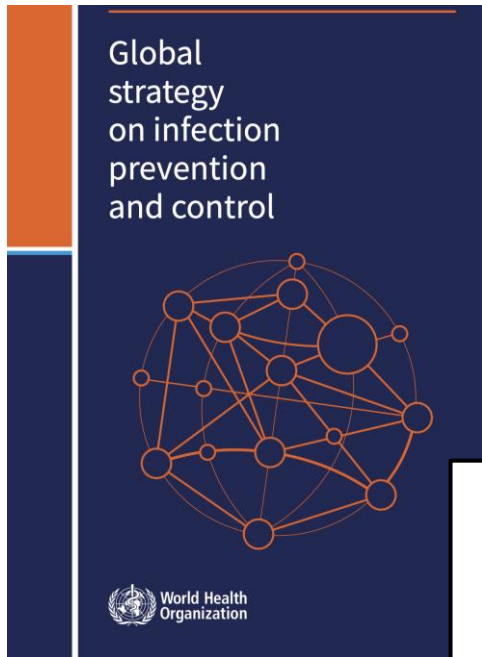


MONITORING FRAMEWORK BY WHA 2024

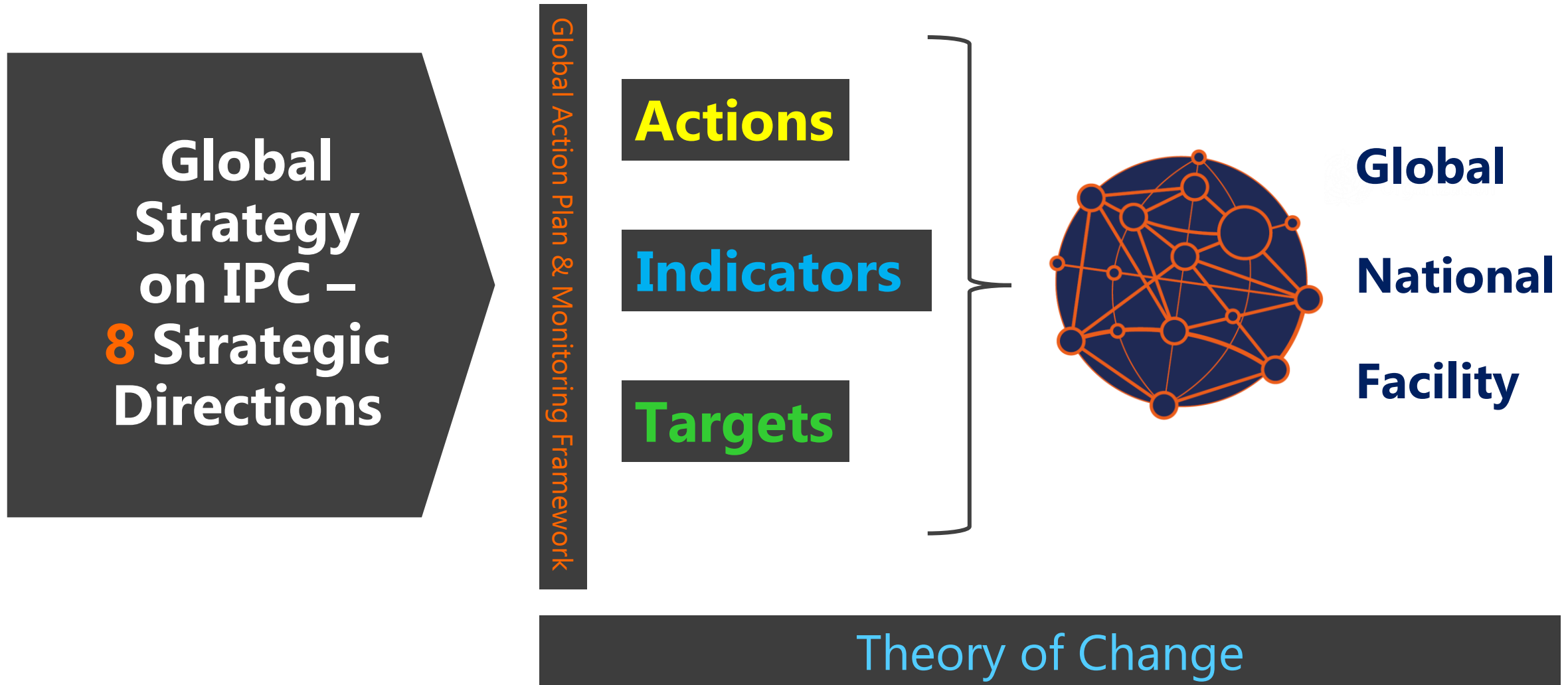


By 2030, everyone accessing or providing health care is safe from associated infections

REPORTING ON PROGRESS 2025-2030



From the global strategy to the GAP&MF



3. IPC integration and collaborations



**Global action plan and monitoring
framework on infection prevention and
control (IPC), 2024-2030**

WHO IPC GAP/MF: SD3 National – IPC INTEGRATION AND COORDINATION



Key action 1

Ensure **inclusion of IPC principles, standards and indicators** within strategies and documents of other complementary national programmes

Key action 2

Ensure the **IPC programme is aligned** with and contributes to other complementary national programmes' strategies and documents

Key action 3

Ensure **IPC clinical practices and appropriate prescribing of antimicrobial agents** (that is, antimicrobial stewardship) **are embedded in policies** related to patient care pathways/programmes at the national, subnational and facility levels for tertiary, secondary and primary health care

WHO IPC GAP/MF: SD3 Facility – IPC INTEGRATION AND COORDINATION



Key action 1 Establish an IPC committee ensuring representation of and collaborative activities with other complementary programmes (for tertiary/secondary care facilities)	1. IPC committee established with representation of and collaborative activities with other complementary programmes (by 2026)
Key action 2 Ensure both IPC clinical practices and appropriate antimicrobial prescribing are embedded in all patient care pathways/wards	1. Standard operating procedures available integrating IPC and appropriate antimicrobial prescribing within clinical care (for example, surgery, maternal and neonatal care) (by 2028) 2. Increased compliance with IPC practices in specific wards and among specialized professionals (for example, injection safety, hand hygiene and waste management in surgical wards, operating theatres and critical care units) demonstrated (by 2030) 3. Increased compliance with appropriate antimicrobial prescribing (for example, at least one annual audit) demonstrated

IPC monitoring framework: global priority targets*, 2024-2030



Increase** of proportion of countries:

1. with a **costed and approved national action plan and monitoring framework** on IPC
2. with an identified **dedicated budget** allocated to fund the national IPC programme and action plan
3. with **legislation /regulation** to address IPC
4. meeting **all WHO IPC Minimum Requirements** for IPC programmes at national level
5. with national IPC programmes at Level 4 or 5 in SPAR 9.1 and Level D or E in TrACSS 3.5 (**highest levels**)
6. with basic **water (1), sanitation (2), hygiene (3), and waste services (4)** in all health care facilities

*Monitoring framework identified through a Delphi survey including 142 experts & MS IPC national focal points; **up to 80-100%

IPC monitoring framework: global priority targets*, 2024-2030



Increase** of proportion of countries:

- 7. with a national **HAI** and related **AMR** surveillance system
- 8.a that have a national target on reducing HAIs (PS GAP indicator)
- 8.b that have achieved their national targets on reducing HAIs

*Monitoring framework identified through a Delphi survey including 142 experts & MS IPC national focal points; **up to 80-100%

IPC monitoring framework: national priority targets*, 2024-2030

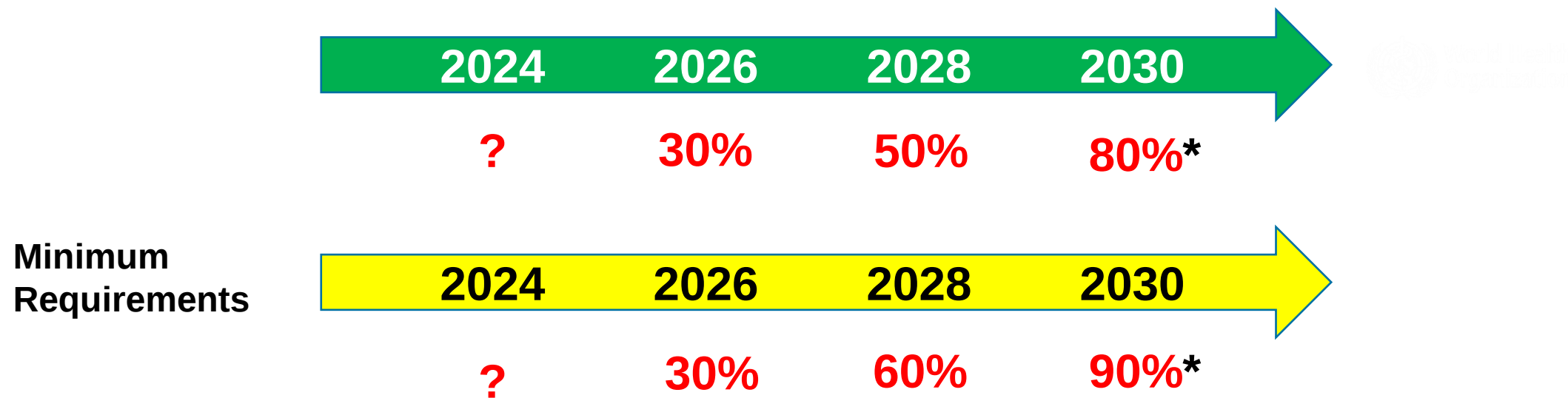


Increase** of proportion of health care facilities:

1. meeting **all WHO IPC Minimum Requirements** for IPC programmes
2. **with a dedicated and sufficient funding for WASH services and activities**
3. **providing and/or requiring IPC training to all frontline clinical and cleaning staff and managers**
4. **having an HAI and related AMR surveillance system**

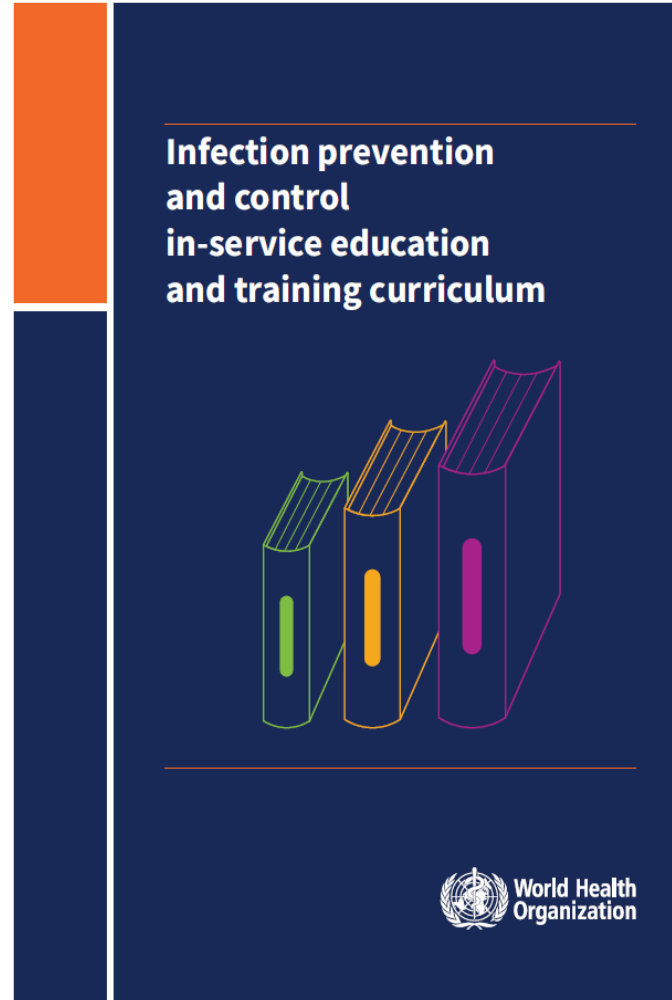
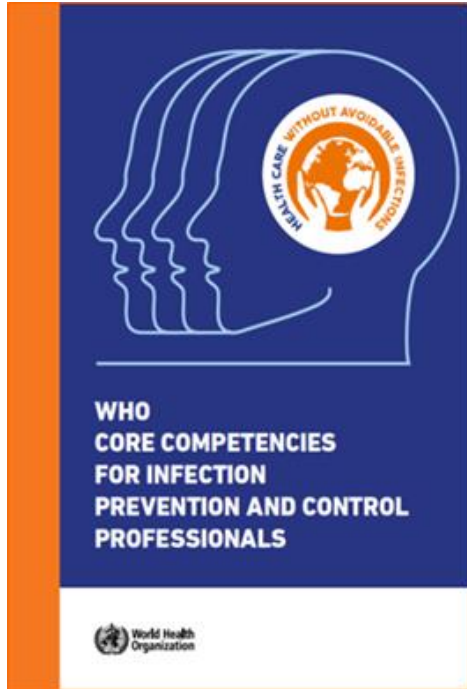
*Monitoring framework identified through a Delphi survey including 142 experts & MS IPC national focal points; **up to 80-100%

Measuring targets over time

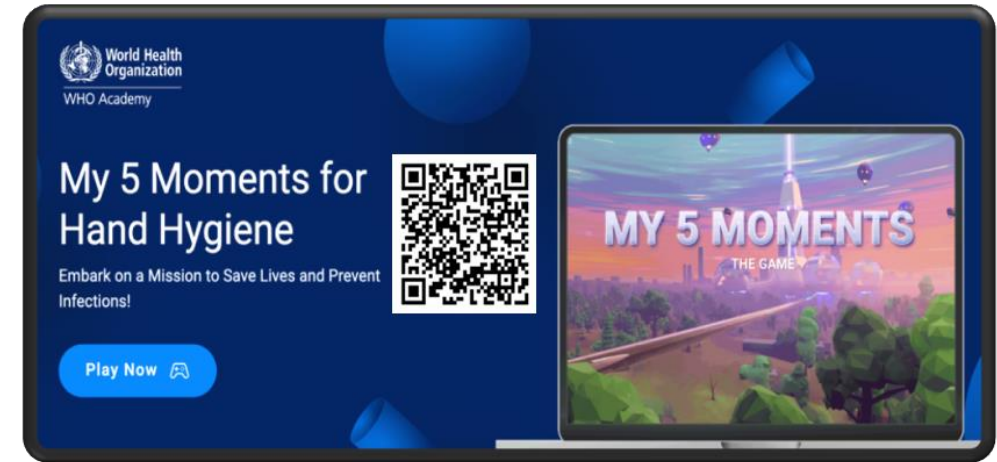


*with a view of evaluating status in 2030, and setting new target (likely to be 100%) for 2035

IPC training and curricula



NEW!



Next steps:

- Update of OpenWHO courses incl on microbiology & AMR (by Aug 2024)
- Pre-graduate curriculum on IPC (by 1st Q 2025)
- IPC international curriculum & certificate concept (by 2025)

New!

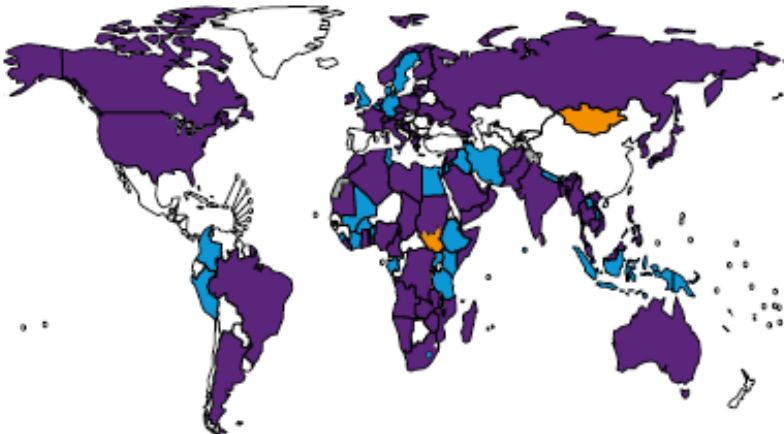


- Comprehensive overview of the objectives, key concepts, principles, methodologies, elements, and best practices of HAI surveillance to help establish robust national and facility-level HAI surveillance systems
- New WHO HAI case definitions for low-resource settings
- Guidance on how to design and implement effective surveillance strategies to improve health outcomes
- Target audience: national IPC leads, focal points, policy makers, IPC stakeholders

PPS Protocol to implement HAI surveillance

Detailed description and technical advice on best practices on how to conduct HAI surveillance using the new WHO HAI case definitions in a framework of a point prevalence survey

Existing monitoring systems used to draw the IPC MF indicators



WHO Global Antimicrobial Resistance and Use Surveillance System (GLASS)

JMP service ladders for WASH in health care facilities

SERVICE LEVEL	WATER	SANITATION	HYGIENE	WASTE MANAGEMENT	ENVIRONMENTAL CLEANING
BASIC SERVICE	Water is available from an improved source* on the premises.	Improved sanitation facilities* are usable, with at least one toilet dedicated for staff, at least one sex-separated toilet with menstrual hygiene facilities, and at least one toilet accessible for people with limited mobility.	Functional hand hygiene facilities (with water and soap and/or alcohol-based hand rub) are available at points of care, and within five metres of toilets.	Waste is safely segregated into at least three bins, and sharps and infectious waste are treated and disposed of safely.	Protocols for cleaning are available, and staff with cleaning responsibilities have all received training.
LIMITED SERVICE	An improved water source is available within 500 metres of the premises, but not all requirements for a basic service are met.	At least one improved sanitation facility is available, but not all requirements for a basic service are met.	Functional hand hygiene facilities are available either at points of care or toilets but not both.	There is limited separation and/or treatment and disposal of sharps and infectious waste, but not all requirements for a basic service are met.	There are cleaning protocols and/or at least some staff have received training on cleaning.
NO SERVICE	Water is taken from unprotected dug wells or springs, or surface water sources; or an improved source that is more than 500 metres from the premises; or there is no water source.	Toilet facilities are unimproved (e.g. pit latrines without a slab or platform, hanging latrines, bucket latrines) or there are no toilets.	No functional hand hygiene facilities are available either at points of care or toilets.	There are no separate bins for sharps or infectious waste, and sharps and/or infectious waste are not treated/disposed of.	No cleaning protocols are available and no staff have received training on cleaning.

* Improved water sources are those that by nature of their design and construction have the potential to deliver safe water. These include piped water, boreholes or tubewells, protected dug wells, protected springs, rainwater, and packaged or delivered water. Improved sanitation facilities are those designed to hygienically separate human excreta from human contact. These include wet sanitation technologies - such as flush and pour-flush toilets connecting to sewers, septic tanks or pit latrines - and dry sanitation technologies - such as dry pit latrines with slabs, and composting toilets.

FIGURE 1 JMP service ladders for global monitoring of WASH in health care facilities

WHO/UNICEF Joint Monitoring Programme for WASH in HCFs

 World Health Organization e-SPAR STATE PARTY ANNUAL REPORT	2022			
	Capacity 9			
	Infection prevention and control (IPC)			
	Score per indicator			Total
	9.1	C.9.2	C.9.3	C.9
AVG Global Capacity	64	59	62	62
AFRO	53	40	44	46
AMRO	61	63	58	61
EMRO	67	57	65	63
EURO	71	72	77	74
SEARO	62	56	60	59
WPRO	75	65	72	71

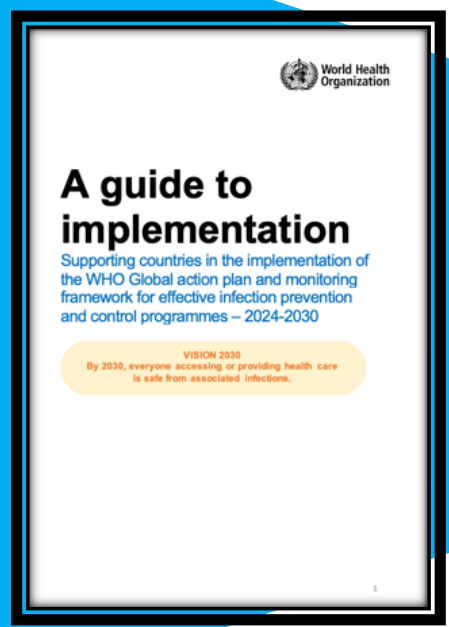
Tripartite Antimicrobial Resistance Country Self-assessment Survey (TrACSS)

GAP&MF implementation

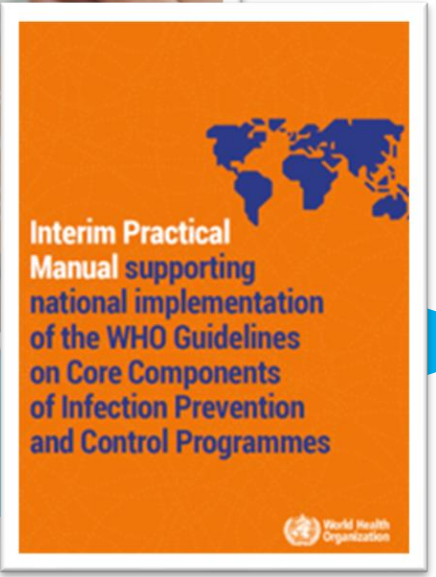


GSIPC 8
Strategic
Directions

Implementation



A new Guide to
Implementation to
support development
of national action
plan on IPC



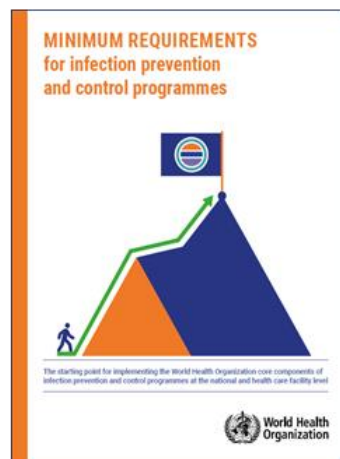
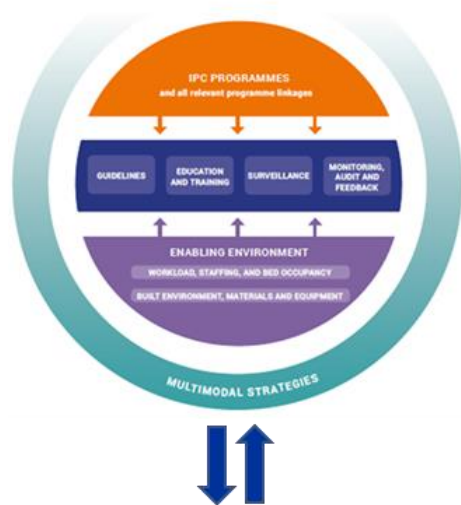
Aligned with and
signposting to existing
implementation manuals
(IPC & related
programmes)



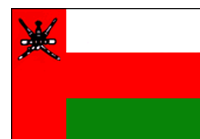
By 2030, everyone accessing or
providing health care is safe from
associated infections.

IPC National action plans
developed and
implemented.

Many countries are champions in strategies & plans development and implementation of IPC



African Region
Ghana – Streamlining IPC and WASH through national quality efforts and a costed national strategy



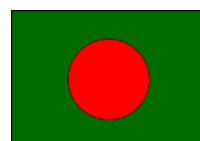
Eastern Mediterranean Region
Oman – National action on antimicrobial resistance as the entry point for strengthening IPC



European Region
Kazakhstan – National level IPC: turning challenges into opportunity



Region of the Americas
Chile – The critical role of leadership and political commitment in advancing IPC

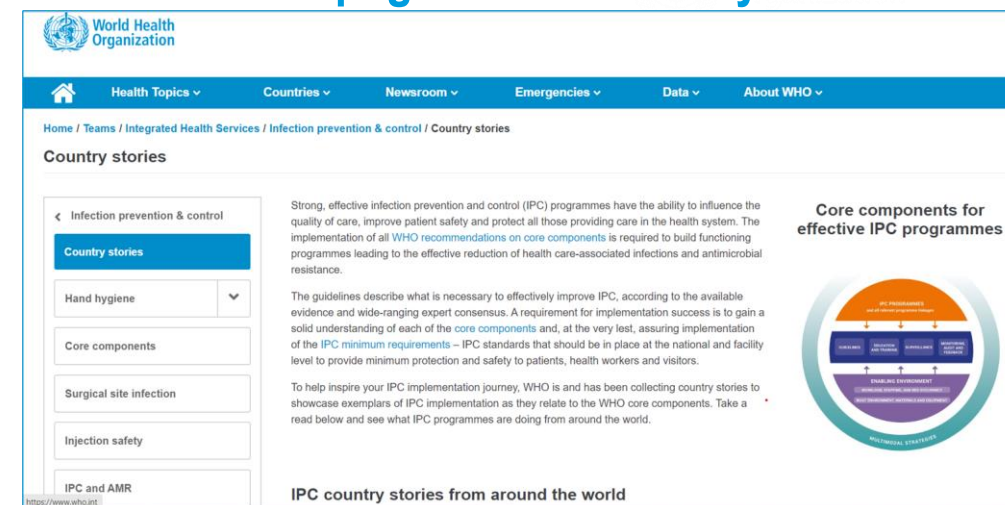


South-East Asia Region
Bangladesh – COVID-19 as an opportunity for stronger national and health care facility preparedness in IPC



Western Pacific Region
Vietnam – IPC at the point of care to prevent healthcare-associated neonatal sepsis

WHO web page on IPC country stories

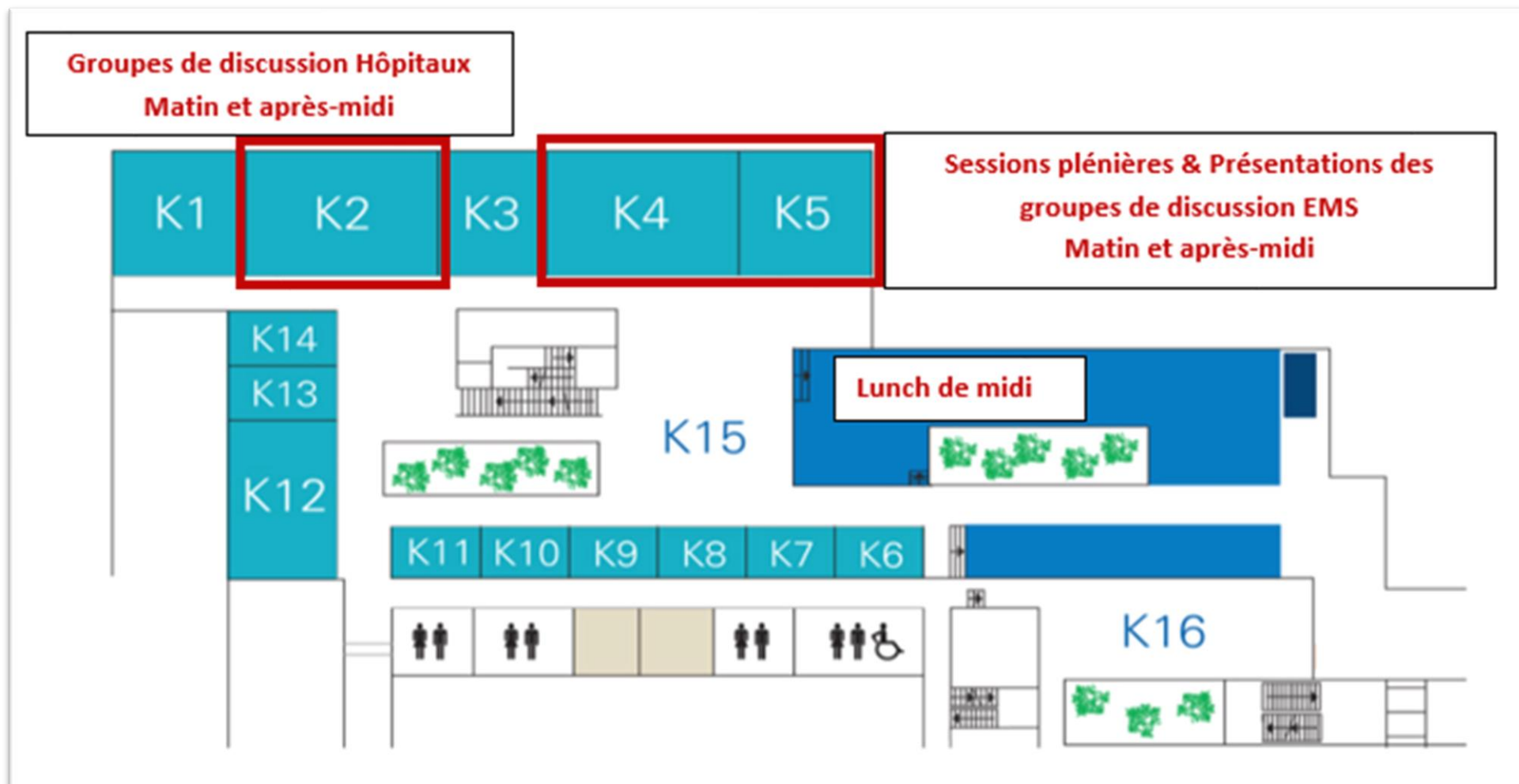


<https://www.who.int/teams/integrated-health-services/infection-prevention-control/country-stories>

Thank you very much for your attention & thanks to the WHO IPC Unit team



<https://www.who.int/teams/integrated-health-services/infection-prevention-control>



Conventions nationales de qualité: mise en œuvre pratique dans les hôpitaux et les cliniques ainsi que perspectives pour le domaine ambulatoire

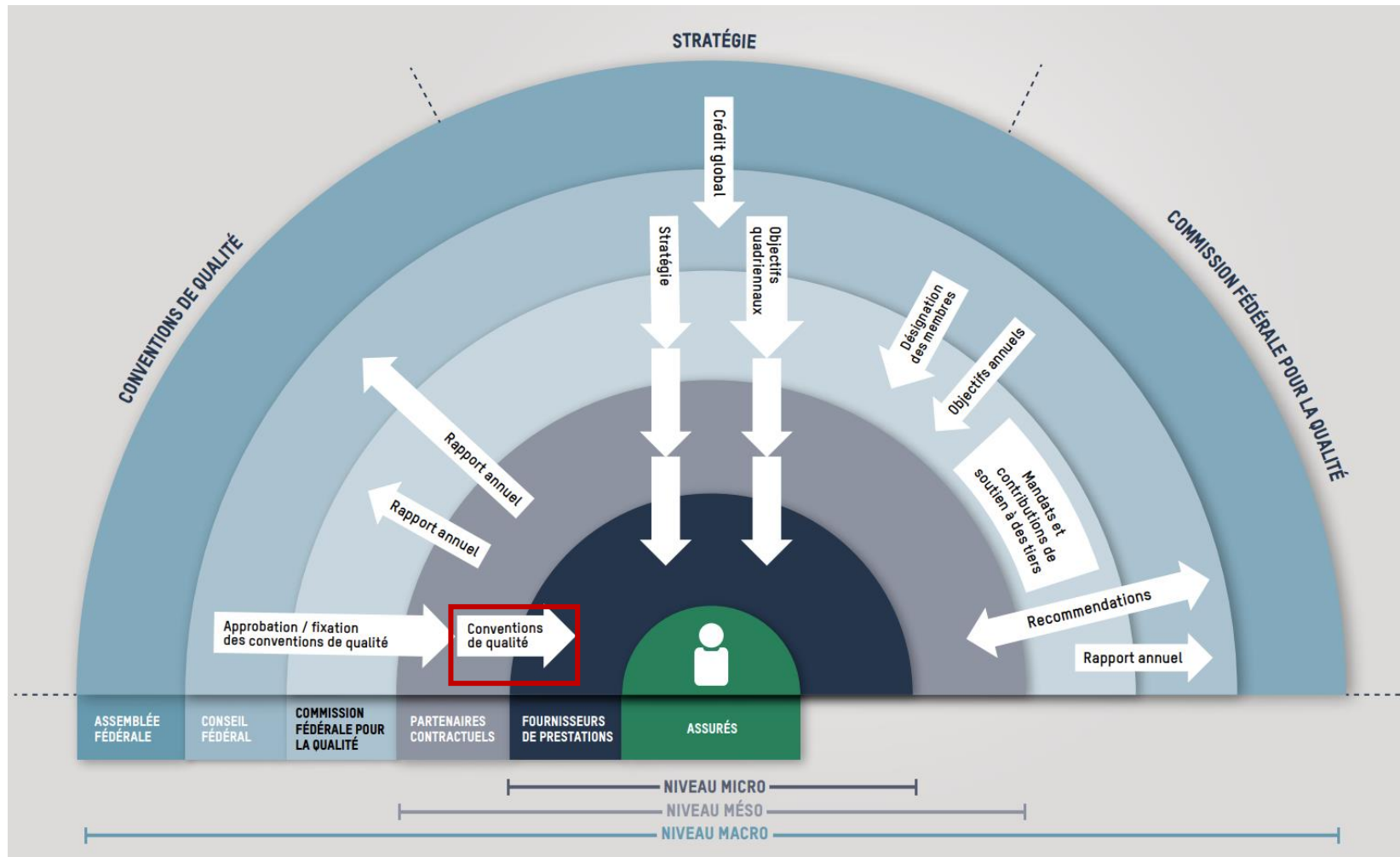
Matthias Schindler, PhD

8 novembre 2024

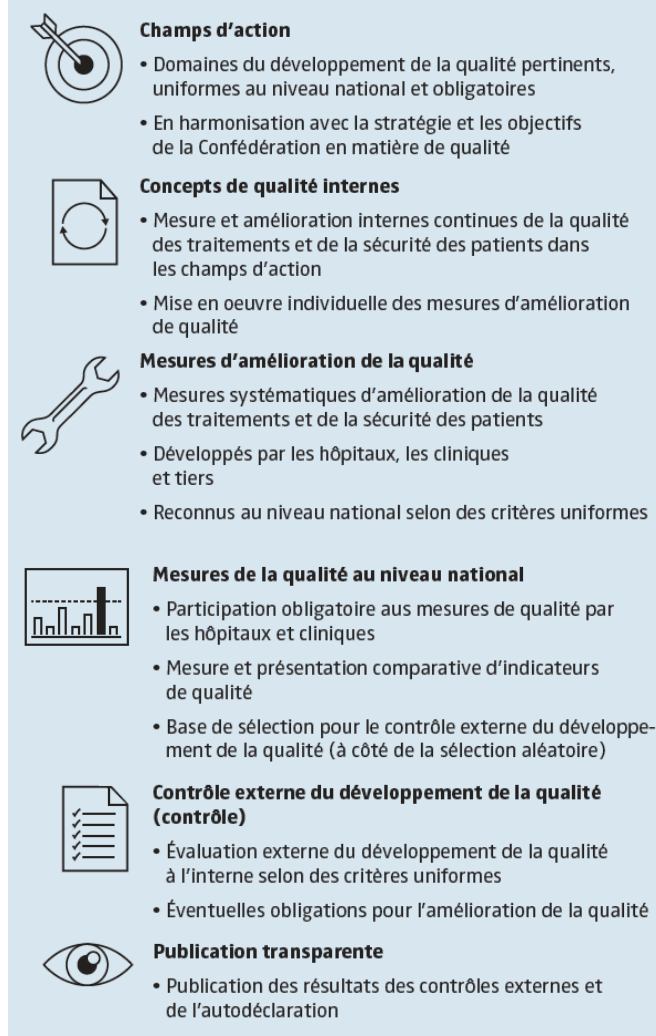
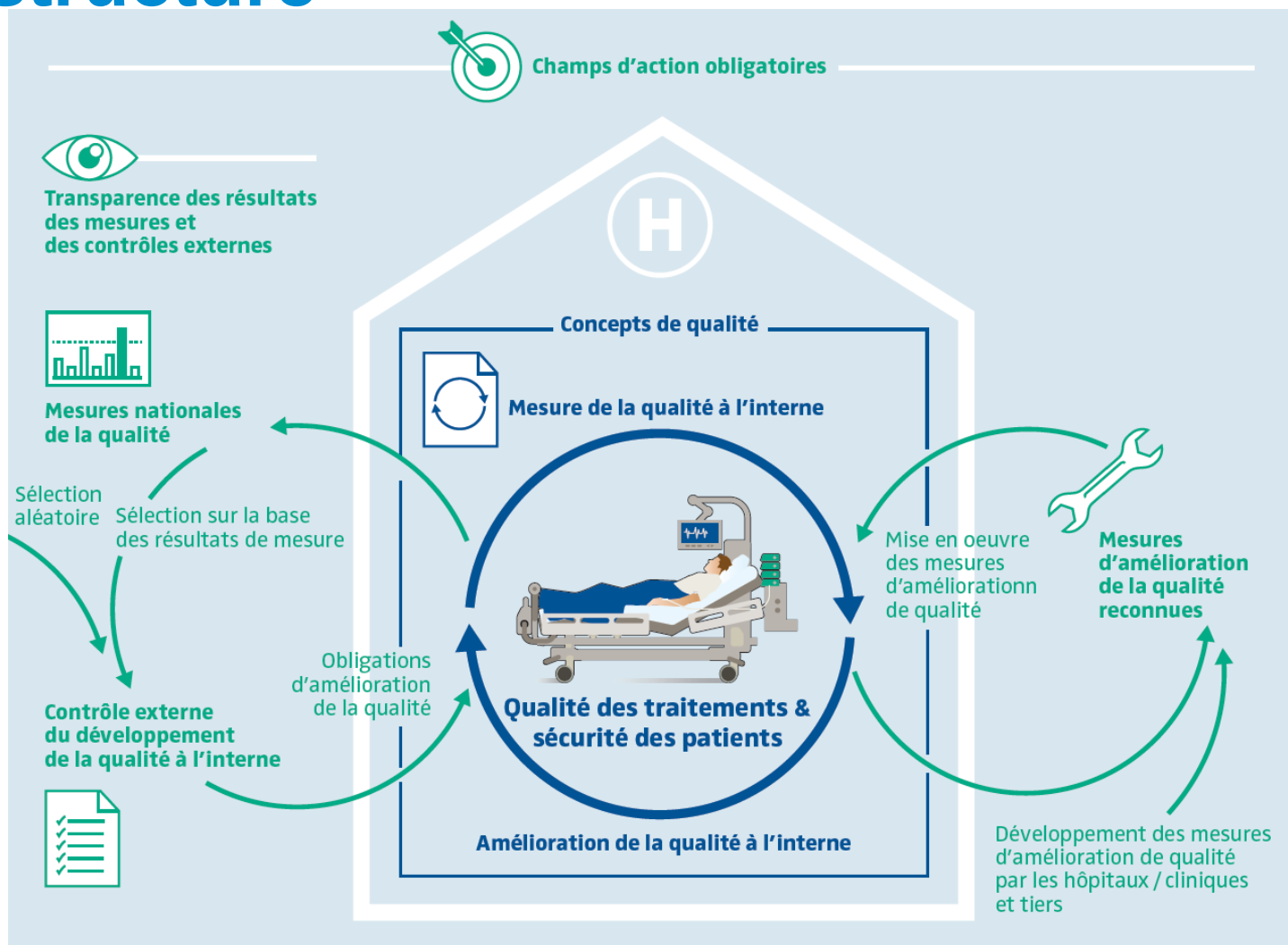
Sommaire

- 1) Le cadre des conventions de qualité
- 2) Convention de qualité avec H+: vue d'ensemble et structure
- 3) Mesures d'amélioration de la qualité et champs d'action
- 4) Exemples de mesures d'amélioration de la qualité
- 5) Négociations conventionnelles

Stratégie du Conseil fédéral en matière de qualité: le cadre des conventions de qualité



Convention de qualité avec H+: vue d'ensemble et structure



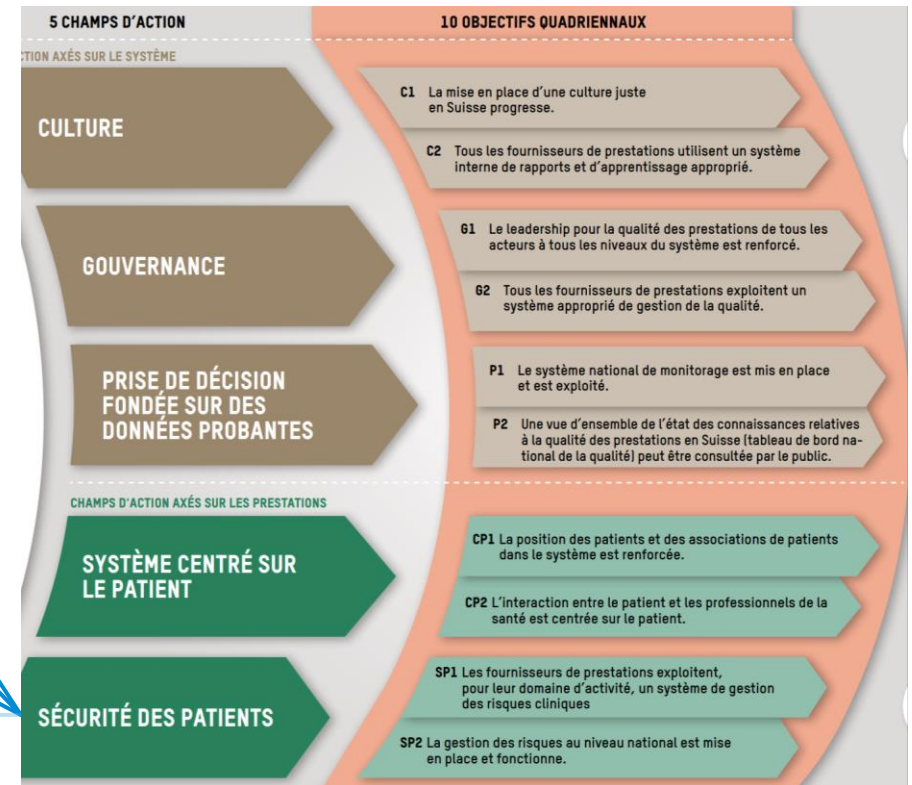
Les mesures d'amélioration (MA) sont mises en œuvre dans les champs d'action définis

Antimicrobial Stewardship Programm (ASP)
[Swissnoso]

Module «Surgical Site Intervention (SSI)»
[Swissnoso]

Exigences structurelles minimales pour la prévention
des IAS [Swissnoso]

Module CAUTI Intervention
[Swissnoso et Sécurité des patients Suisse]



MA dans la pratique: Antimicrobial Stewardship Programm

Objectifs

- I. Hausse des taux de guérison et diminution des erreurs de traitement, des infections à C. difficile et des effets indésirables.
- II. Sensibilisation des médecins prescripteurs.
- III. Contribution à la réduction de la pression de la sélection des germes résistants et à la stabilisation, voire à une baisse des taux actuels de résistance.
- IV. Réduction des transmissions nosocomiales et des flambées de bactéries résistantes.
- V. Économies sur les coûts d'antibiotiques à large spectre et de réserve et
- VI. Amélioration de la rentabilité de l'institution concernée.

Méthodologie

1. Mise en place d'une équipe AS interinstitutionnelle et interdisciplinaire pour le développement d'un ASP et pour le pilotage de la mise en œuvre.
2. Monitoring de l'utilisation des antibiotiques avec feedback périodique aux unités examinées.
3. Monitoring des résistances et des cas de C. difficile avec feedback aux unités examinées.
4. Publication de guidelines d'antibiothérapie, y compris leur mise à jour systématique.
5. Formation et sensibilisation.
6. Contrôles systématiques de la prescription.
7. Mise à disposition des outils IT.
8. Rapport annuel sur la mise en œuvre de l'ASP.

MA dans la pratique: exigences structurelles minimales pour la prévention des IAS

Objectifs

- I. Des cadres structurels adéquats et une collaboration étroite entre chaque équipe spécialisée dans l'hygiène d'hospitalière et les différents domaines et services.
- II. Les exigences structurelles minimales doivent être considérées comme des normes minimales pour la surveillance, la prévention et la lutte contre les IAS.

Méthodologie

Les exigences minimales comportent sept éléments clés qui sont à mettre en œuvre en conséquence:

1. Directives et instructions
2. Matériel et équipement
3. Organisation de l'hygiène hospitalière et dotation du personnel
4. Formation
5. Audits et monitoring
6. Surveillance et épidémies
7. Interventions

MA dans la pratique: module d'intervention Surgical Site Infections (SSI)

Objectifs

- I. Observance d'au moins 90% pour trois mesures élémentaires de prévention des infections, à savoir l'élimination des poils, la désinfection cutanée préopératoire et la prophylaxie antibiotique.
- II. Réduction de 50% du taux d'infection par *Staphylococcus aureus* lors de la chirurgie avec implant (genou / hanche).
- III. Réduction de 25% des infections incisionnelles profondes et d'organe ou d'espace après une chirurgie intestinale.

Méthodologie

1. Optimisation de l'élimination/raccourcissement préopératoire des poils.
2. Désinfection adéquate préopératoire de la peau
3. Optimisation de la prophylaxie antibiotique.
4. Décolonisation préopératoire de *Staphylococcus aureus* lors d'interventions avec implant.
5. Décolonisation intestinale préopératoire avant les interventions colorectales.
6. Contrôle périopératoire de la glycémie.

Négociations conventionnelles: état des lieux et perspectives

- Art. 35 Types de fournisseurs de prestations⁹⁸

1 ...⁹⁹

² Les fournisseurs de prestations sont:¹⁰⁰

- a. les médecins;
- b. les pharmaciens;
- c. les chiropraticiens;
- d. les sages-femmes;
- d^{bis}.¹⁰¹ les infirmiers ainsi que les organisations qui les emploient;
- e. les personnes prodiguant des soins sur prescription ou sur mandat médical ainsi que les organisations qui les emploient;
- f. les laboratoires;
- g. les centres de remise de moyens et d'appareils diagnostiques ou thérapeutiques;
- h. les hôpitaux;
- i.¹⁰² les maisons de naissance;
- k. les établissements médico-sociaux;
- l. les établissements de cure balnéaire;
- m.¹⁰³ les entreprises de transport et de sauvetage;
- n.¹⁰⁴ les institutions de soins ambulatoires dispensés par des médecins.

Art. 35 al. 2 LAMal

1 convention de qualité approuvée en mai 2024 par le Conseil fédéral.

18 conventions de qualité sont en cours de négociation.

Négociations conventionnelles: notre approche

- Négociations partenariales
- Collaboration entre partenaires contractuels axée sur la recherche de solutions
- Développement à partir de l'existant
- Prise en compte des circonstances individuelles des fournisseurs de prestations
- Culture d'apprentissage



Besten Dank

Merci!



Die Schweizer Krankenversicherer
Les assureurs-maladie suisses
Gli assicuratori malattia svizzeri

[santesuisse.ch](https://www.santesuisse.ch)

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