

Implementation of Safe Clinical Practices in EU Member States (PaSQ Work Package 5)

based on the presentation

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*Patient Safety Initiatives Implementation (WP5):
Presentation of Main Outcomes.*

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European Hospital and Healthcare Federation (HOPE)

PaSQ European Conference on Patient Safety - Implementation of Safe Clinical Practices
October 21st, 2015 – Madrid

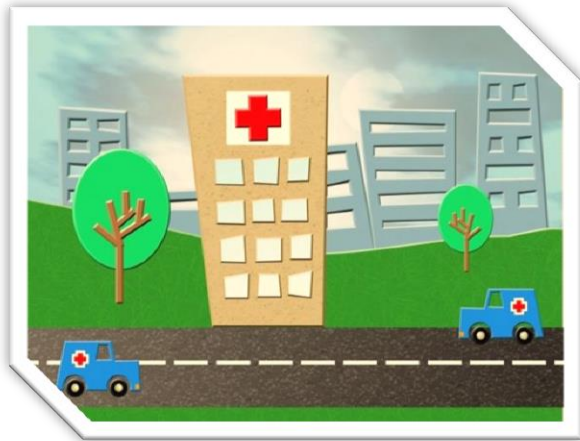
PaSQ European Union Network
for Patient Safety and
Quality of Care



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of the European Union

About HOPE

- ❑ European Hospital and Healthcare Federation, created in 1966
- ❑ **37 members in the 28 EU Member States + Switzerland and Serbia**
National public and private hospital associations and hospital owners, either federations of local and regional authorities or national health services
- ❑ Covering around 80% of hospital activity in the EU but also other health and social institutions



Mission:

promote improvements in the health of citizens throughout Europe, high standard of hospital care and foster efficiency with humanity in the organisation and operation of hospital and healthcare services.

Work Package 5 (WP5) – Patient Safety Initiatives Implementation

Leader: German Agency for Quality in Medicine (AQuMed)



Content

- Implementation of selected Safe Clinical Practices (SCPs) in Healthcare Organisations (HCOs) in European countries
- Compilation of one tool box per SCP
- Monitoring and assessment of implementation process

Results

- Report on implementation experiences
- Tested tool boxes – were they helpful?

Agenda

1. Safe Clinical Practices for WP5 implementation
2. Overview of participating PaSQ Member States
3. Support tools for the implementation process
4. Monitoring and assessment
5. Results (implementation progress, tool boxes)
6. Conclusion and final remarks

Safe Clinical Practices for WP5 implementation

Clinical practices to enhance patient safety which are implemented

OR

- for which a baseline measurement has been established before implementation,
- for which a measurement has been established after implementation,
- which have shown an improvement in patient safety as per the before and after measurement.

- which have been evaluated using an intervention and a control group,
- for which an improvement in patient safety has been demonstrated when comparing these two groups.



Demonstrated effectiveness in clinical trials



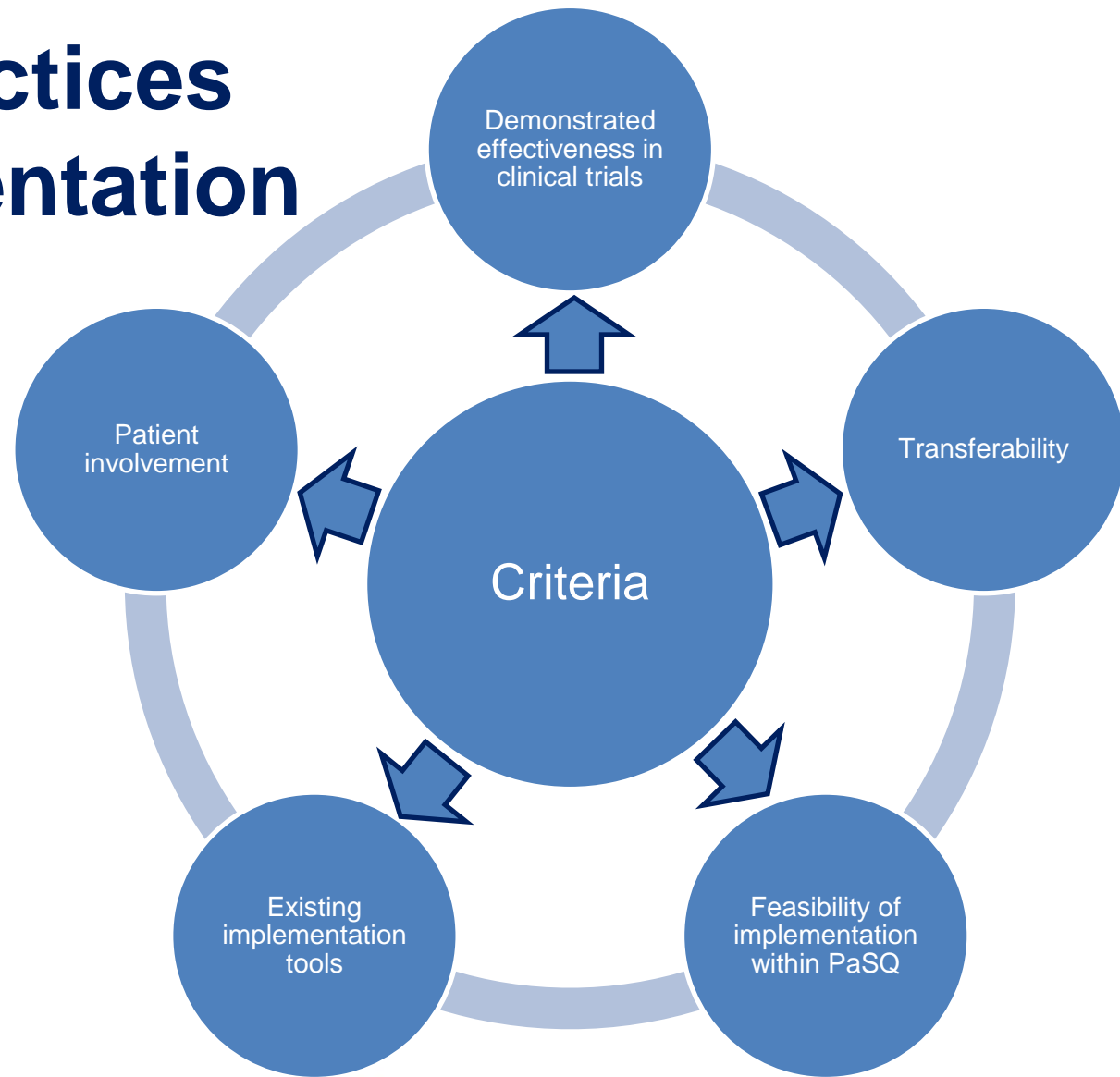
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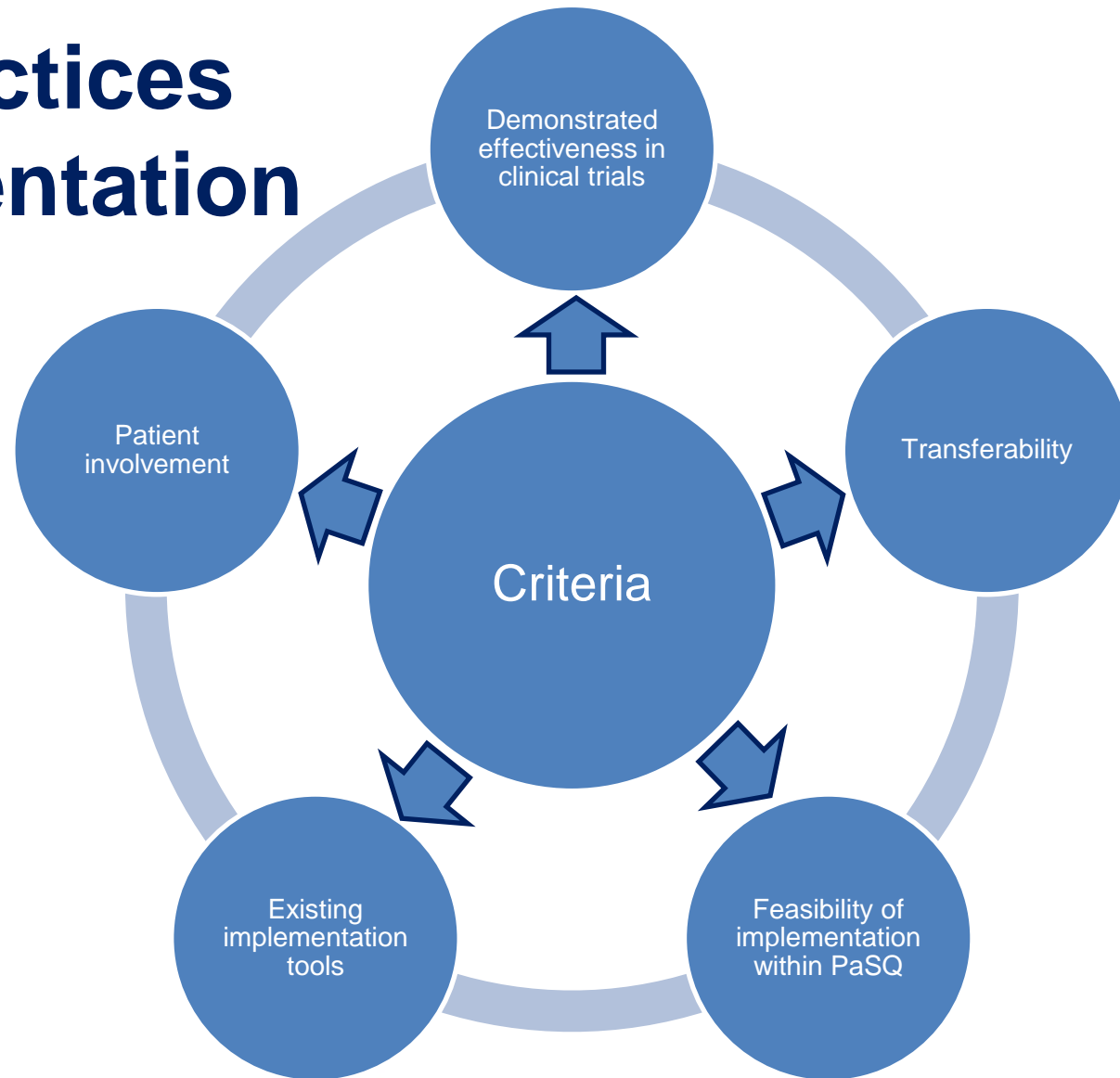
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Safe Clinical Practices for WP5 implementation



Safe Clinical Practices for WP5 implementation

- WHO Surgical Safety Checklist (SSC)
- Medication Reconciliation (MedRec)
- Multimodal intervention to increase hand hygiene compliance (HH)
- Paediatric Early Warning Scores (PEWS)



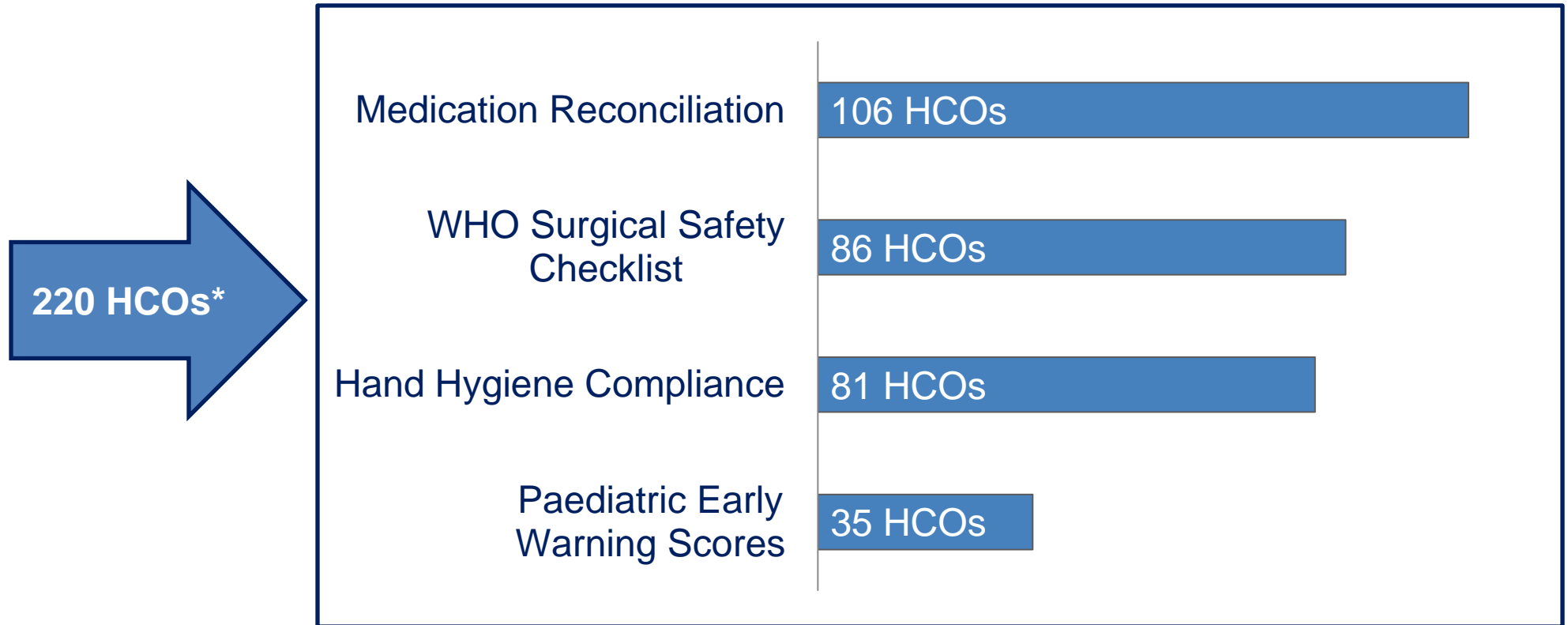
Participation in WP5 implementation

18 PaSQ Member States



Country	WHO Surgical Safety Checklist	Medication Reconciliation	Multimodal intervention to increase hand hygiene compliance	Paediatric Early Warning Scores
→ Austria	X	X		
→ Bulgaria	X	X	X	
→ Croatia	X	X		
→ Finland		X	X	
→ France	X			
→ Germany		X		
→ Greece	X			
→ Hungary	X	X	X	
→ Ireland		X	X	X
→ Italy	X	X	X	
→ Latvia	X		X	
→ Lithuania	X	X	X	
→ Netherlands		X	X	X
→ Norway	X			
→ Poland	X		X	
→ Spain	X	X	X	X
→ Slovakia	X		X	
→ United Kingdom				X
Sum	13	11	11	4

Participation in WP5 implementation



* Several HCOs applied more than one SCP

Support tools for the implementation process

Implementation tool box for each SCP

Safe Clinical Practices for Implementation (WP5)

Work Package 5 Tool Boxes for the Implementation of Safe Clinical Practices

In order to guide Health Care Organisation implementation process of the Safe Clinical Practices, each SCP have been developed. They include a stepwise approach to implementation and additionally they offer a selection of specific tools and guidelines which can be used and/or adapted by the HCOs on a voluntary basis with the aim of

Innovator of the SCP and country of origin

Short description of the SCP and information on implementation

Stepwise approach to implementation

Information on needed resources

Summary of evidence for the SCP

References

Specific Tools

Tool Box for WHO Surgical Safety Checklist

Tool Box for Medication Reconciliation

Tool Box for Multimodal intervention to increase hand hygiene compliance

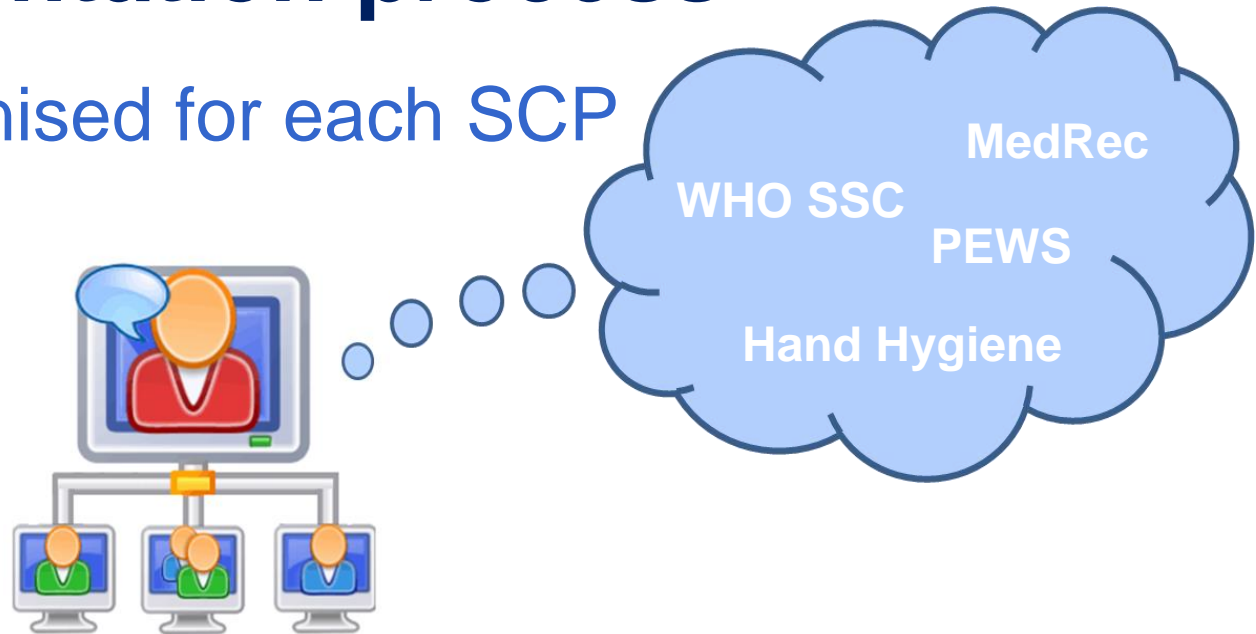
Tool Box for Paediatric Early Warning Scores (PEWS)

Name of the tool	Type of tool
→ ACADEMIA	<ul style="list-style-type: none"> • Tool for evaluation and feedback • Tool for reminding staff in the workplace
→ Medications at Transitions and Clinical Handoffs (MATCH) Toolkit for Medication Reconciliation	<ul style="list-style-type: none"> • Tool for promotion of a safety culture
→ Poster to prompt patients to bring their list of medications with them to Wexford General Hospital and outpatient clinics	<ul style="list-style-type: none"> • Tool for promotion of a safety culture • Tool for information of patients and relatives
→ START (screening tool to alert doctors to the right treatment)	<ul style="list-style-type: none"> • Tool for reminding staff in the workplace
→ STOPP (Screening Tool of Older Persons' Prescriptions)	<ul style="list-style-type: none"> • Tool for reminding staff in the workplace

<http://www.pasq.eu/Wiki/SCP/WorkPackage5ToolBoxes.aspx>

Support tools for the implementation process

Webinars were organised for each SCP



- **Aim:** Foster the exchange of knowledge and experience
- **Main target audience:** The coordinators in the HCOs or other people from the HCOs taking part in the WP5 implementation process

Monitoring and assessment

- Baseline questioning (BQ): September 2013
- Endline questioning (EQ): September 2014
- Self-assessment tools for the monitoring process



Baseline questionnaire on Medication Reconciliation practice

Level of implementation of Medication Reconciliation

*5. On which scale is Medication Reconciliation already being conducted in your HCO?

Note:

For HCOs treating in-patients, "being conducted" means that the practice is being done at least at one of the transition points admission, transfer and discharge.

- 1. Medication Reconciliation is not yet being conducted in the HCO.
- 2. Medication Reconciliation is already being conducted in the entire HCO.
- 3. Medication Reconciliation is already being conducted only in the following area(s) of the HCO. Please complete the information required by the next question on the following page.



Endline questionnaire on WHO Su

Level of implementation of the WHO Surgical Safety Checklist

*5. On which scale is the WHO Surgical Safety Checklist already in use in your HCO so far?

"In use" means that the checklist is being used in routine care.

Please select only one option.

- 1. The WHO Surgical Safety Checklist is not yet in use in the HCO.
- 2. The WHO Surgical Safety Checklist is already in use in the following surgical area(s).

Work Package 5 Implementation of Safe Clinical Practices Self-assessment Tool for the Monitoring Process WHO Surgical Safety Checklist



Level of implementation of the WHO Surgical Safety Checklist

a. Which implementation steps have been undertaken so far?

Note for completing:

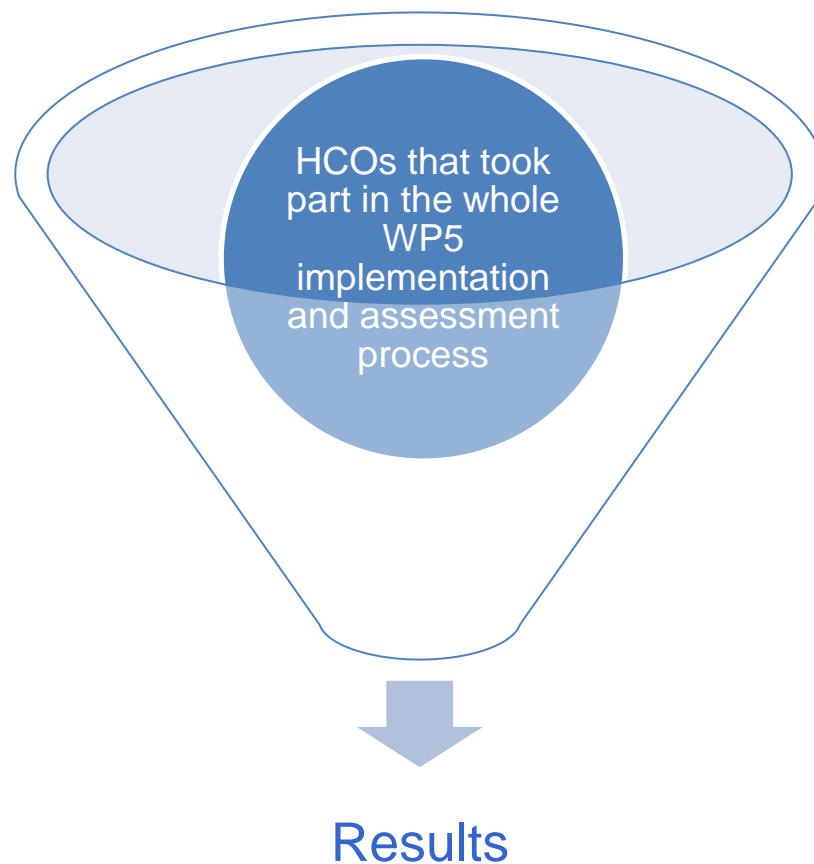
For each statement, please select the most appropriate option. If the answers vary according to the area, you should tick more than one option; in this case please also tick the answer box in the far right column.

An example of "partly completed" for implementation step 1 could be that a team has been assembled but a meeting has not yet taken place.

	This has not (yet) been planned	This is planned but has not yet been completed	This has been partly completed	This has been fully completed	Please <u>additionally</u> tick this box, if this varies according to the area
1. An implementation team consisting of colleagues from the relevant disciplines ¹ has had first discussions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Results

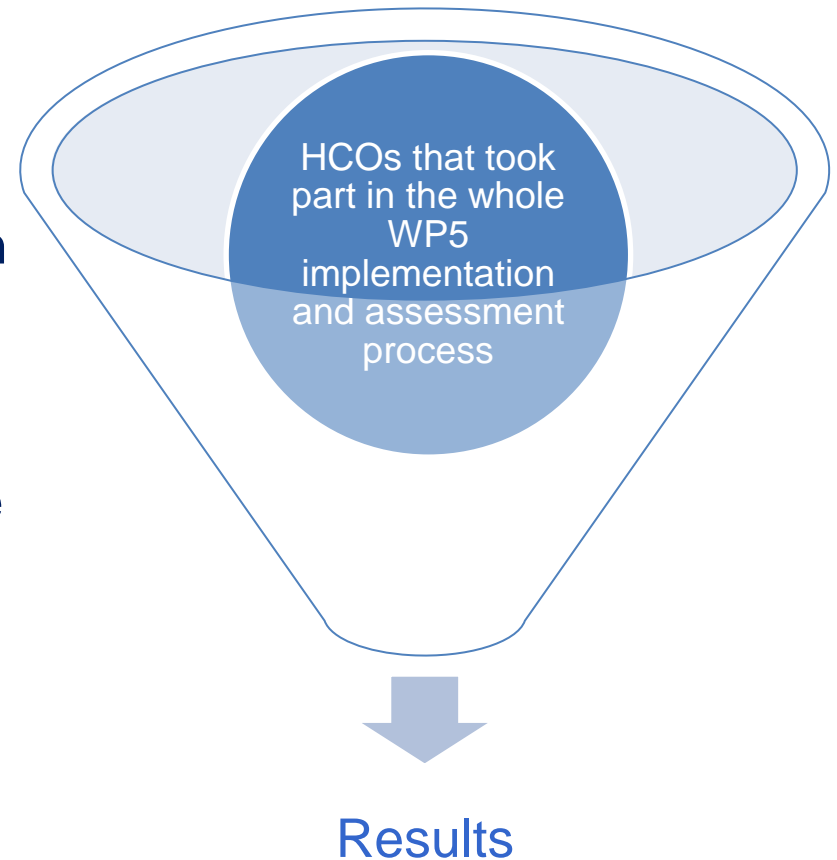
- Medication Reconciliation:
95 out of 106 HCOs (90%)
- WHO Surgical Safety Checklist:
62 out of 86 HCOs (72%)
- Hand Hygiene:
48 out of 81 HCOs (59%)
- PEWS:
15 out of 35 HCOs (43%)



Results

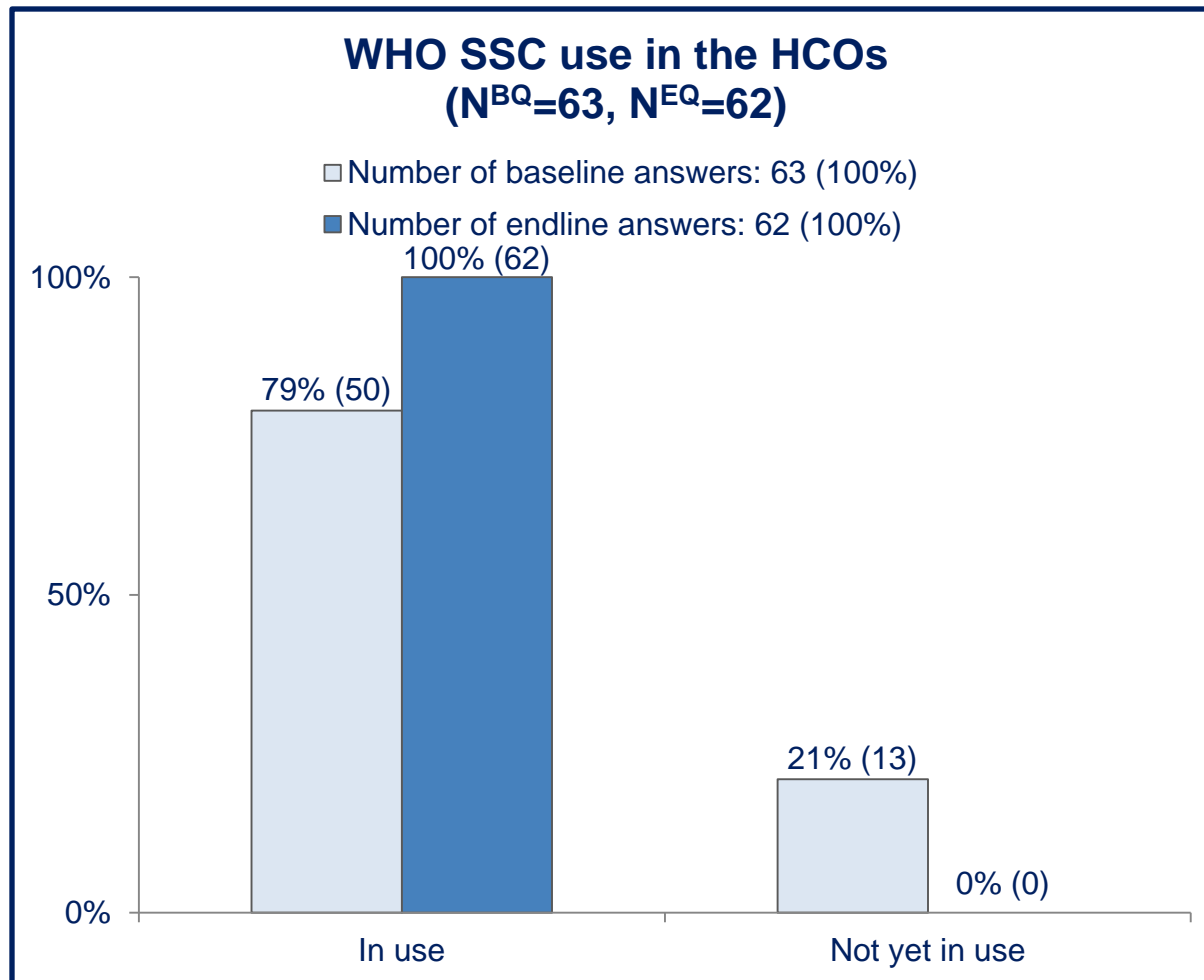
➔ What was the implementation progress made within the main WP5 implementation phase (Sept. 2013 - Sept. 2014)?

Have the SCPs been implemented as proposed in the **tool boxes**; means that the information and tools proposed have been used?



Results implementation progress (SSC)

WP5 implementation was used to deepen the implementation



Results implementation progress (SSC)

Process steps derived from WP5 tool box

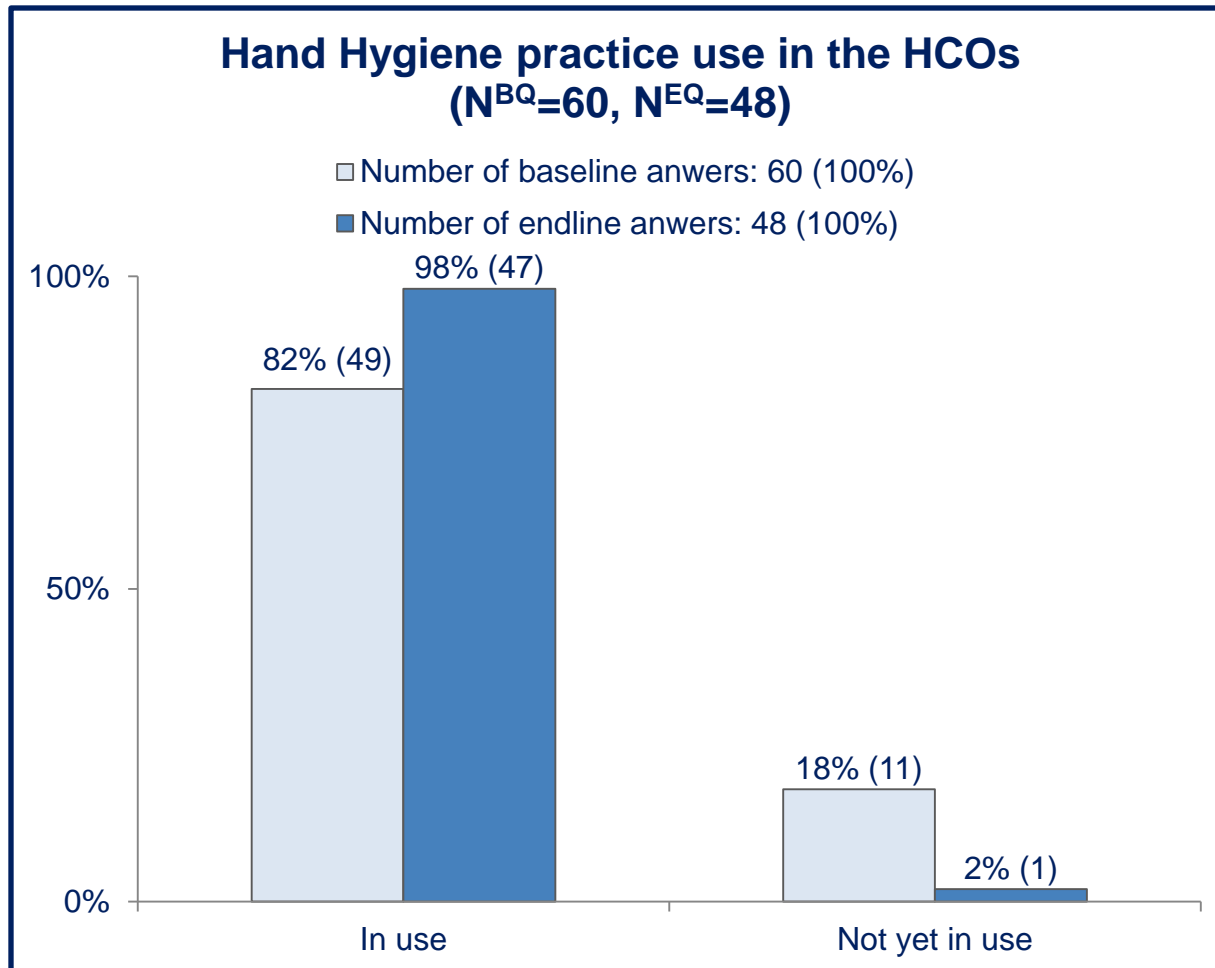
- “fully implemented” was the best selected answer option in BQ and EQ
- BQ: 56% - 70%
- EQ: 79% - 94%



	Not at all implemented	Partly implemented	Fully implemented
1. The process steps related to the phase “ <i>Before induction of anaesthesia</i> ” have been implemented (meaning that items from this phase are being verified and completed in the checklist).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. The process steps related to the phase “ <i>Before skin incision</i> ” have been implemented (meaning that items from this phase are being verified and completed in the checklist).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The process steps related to the phase “ <i>Before patient leaves operating room</i> ” have been implemented (meaning that items from this phase are being verified and completed in the checklist).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. (A) designated checklist coordinator(s) lead(s) the checklist process to confirm the completion of each step.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Results implementation progress (HH)

WP5 implementation was used to deepen the implementation



Results implementation progress (HH)

Components of the practice from WP5 tool box

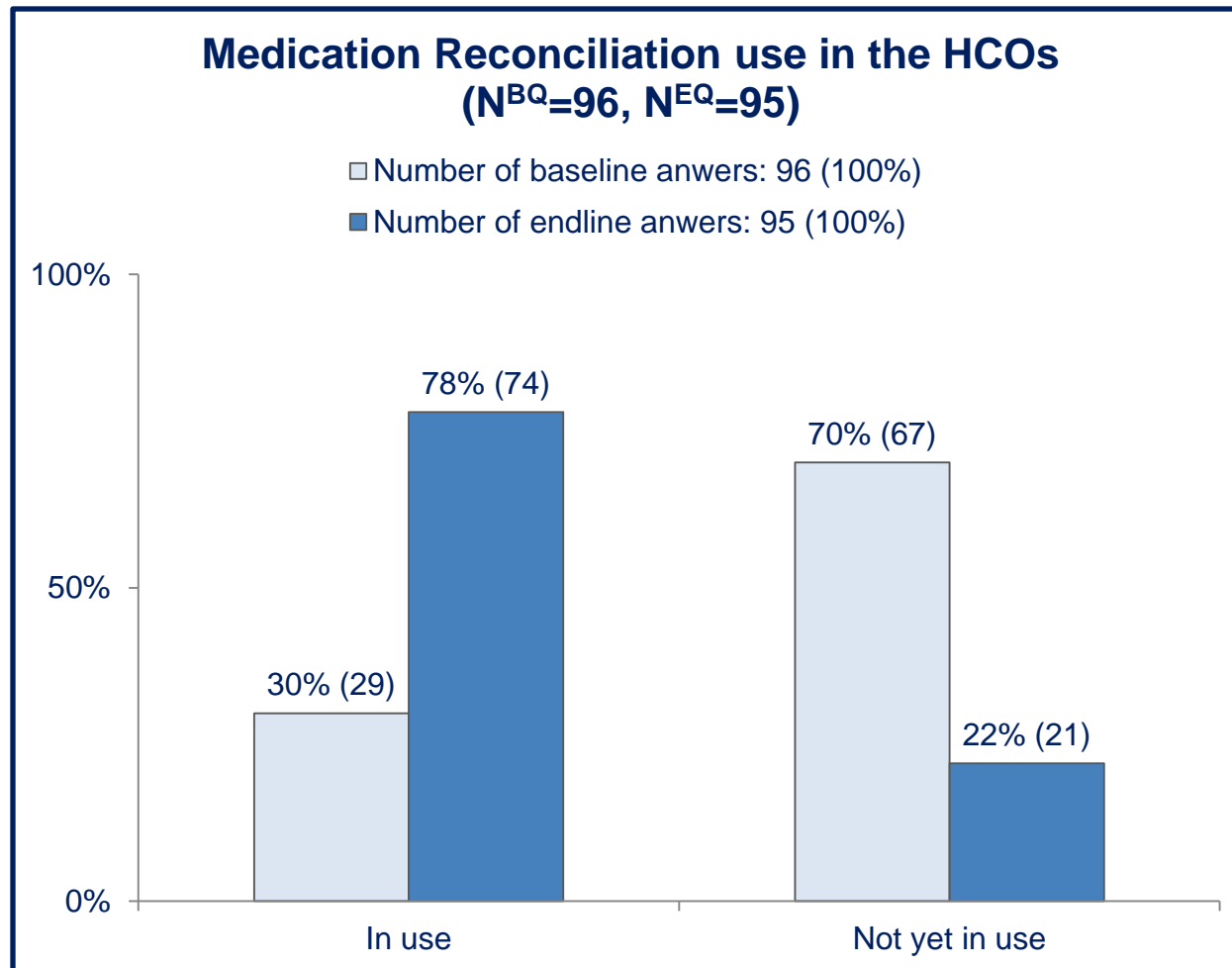
- “partly implemented” / “fully implemented” were the most selected answer options in BQ and EQ
- BQ: 47% - 92%
- EQ: 50% - 94%

↓ + ↓

	Not at all implemented	Partly implemented	Fully implemented
1. <i>System change</i> : The necessary infrastructure has been implemented for allowing health care workers to practice hand hygiene (i.e., access to a safe, continuous water supply as well as to soap and towels AND readily-accessible alcohol-based hand rub at the point of care).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. <i>Training/education</i> : Training on the correct procedures, based on the “five moments for hand hygiene” approach, has been provided to the health care workers (e.g. via slide presentations and practical demonstrations of how and when to perform hand hygiene).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. <i>Evaluation and feedback</i> : An evaluation methodology including the provision of performance and results feedback to the staff has been developed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Results implementation progress (MedRec)

WP5 implementation was used to start with the implementation



Results implementation progress (MedRec)

Process steps derived from WP5 tool box

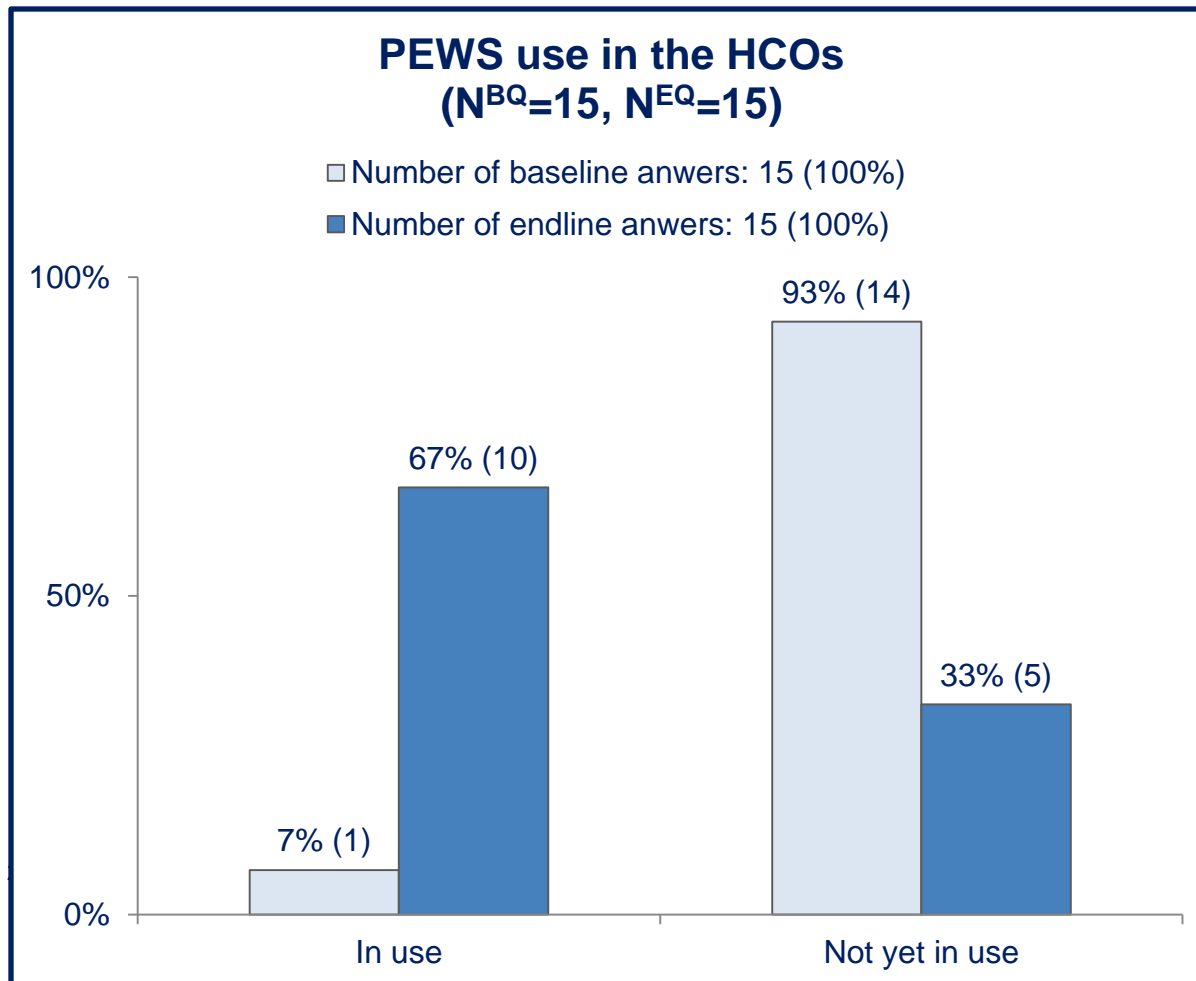
- BQ: “not at all implemented” (63% - 72%)
- EQ: “fully implemented”, at least for a pilot test (52% - 60%)

	Not at all implemented	Partly implemented	Fully implemented
1. The process steps related to the phase “ <i>Create a complete and accurate Best Possible Medication History (BPMH)</i> ” have been implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. The process steps related to the phase “ <i>Reconcile medications</i> ” have been implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The process steps related to the phase “ <i>Document and communicate any resulting changes in medication orders</i> ” have been implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Results implementation progress (PEWS)

WP5 implementation was used to start with the implementation



Results implementation progress (PEWS)

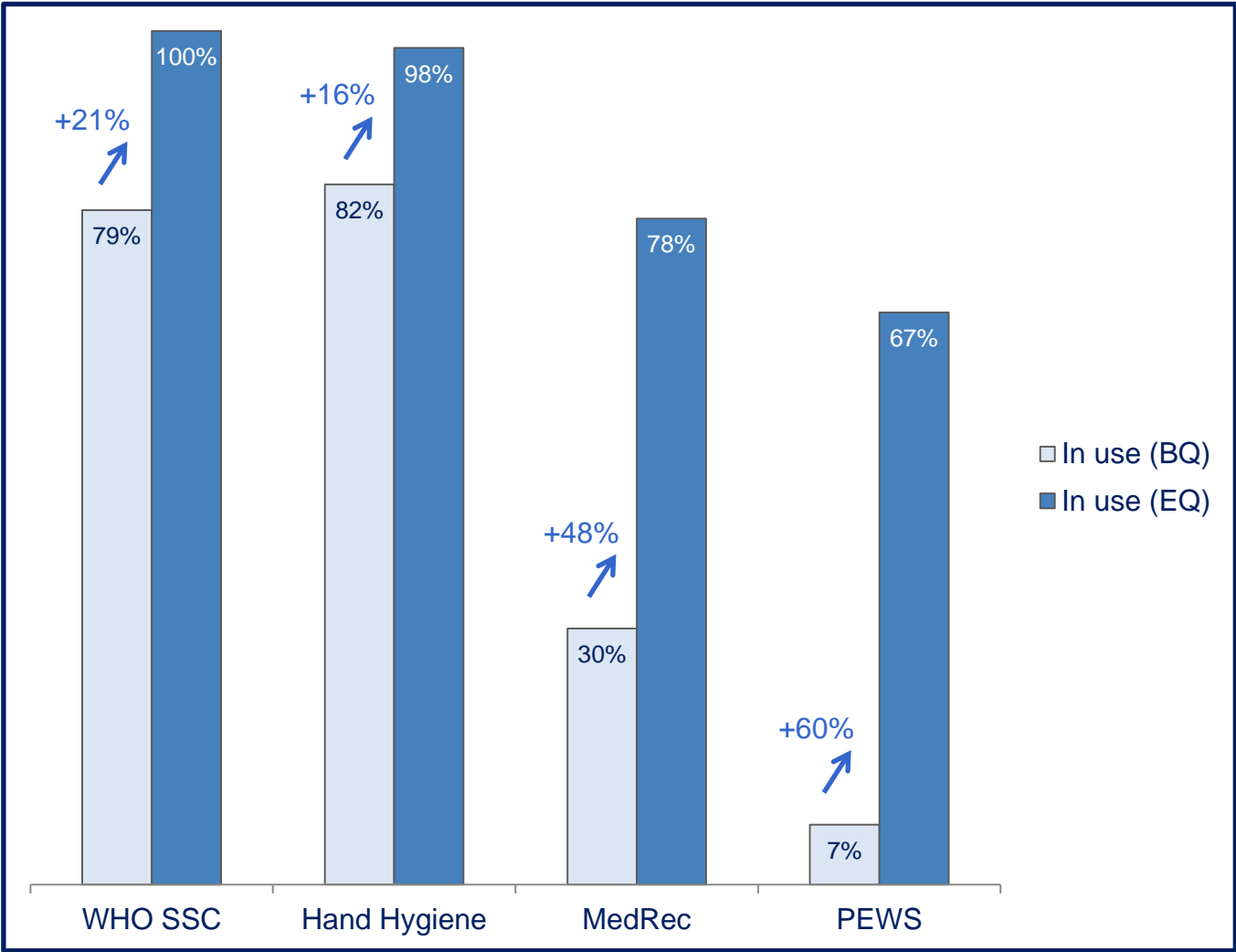
Process steps derived from WP5 tool box

- BQ: “not at all implemented” (87%)
- EQ: “fully implemented”, at least for a pilot test (40% - 47%)

	Not at all implemented	Partly implemented	Fully implemented
1. The process steps related to recording the relevant observations in the PEWS charts have been implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Procedures for acting on the scores generated from the observations have been implemented (e.g. consult responsible physician when a certain score is calculated).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

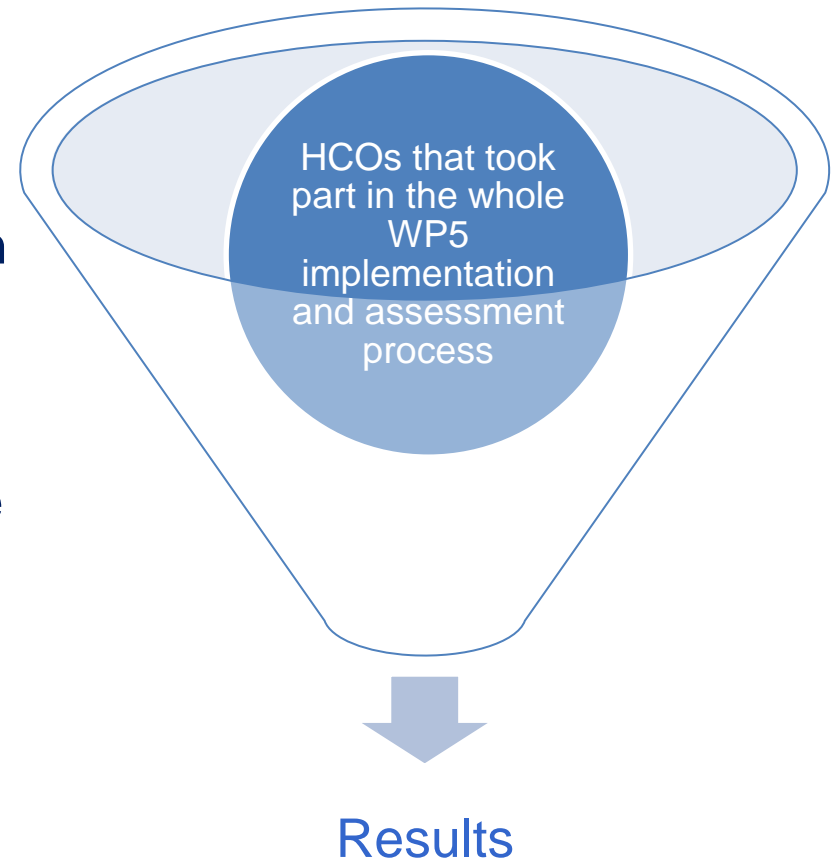
Results implementation progress

At a glance



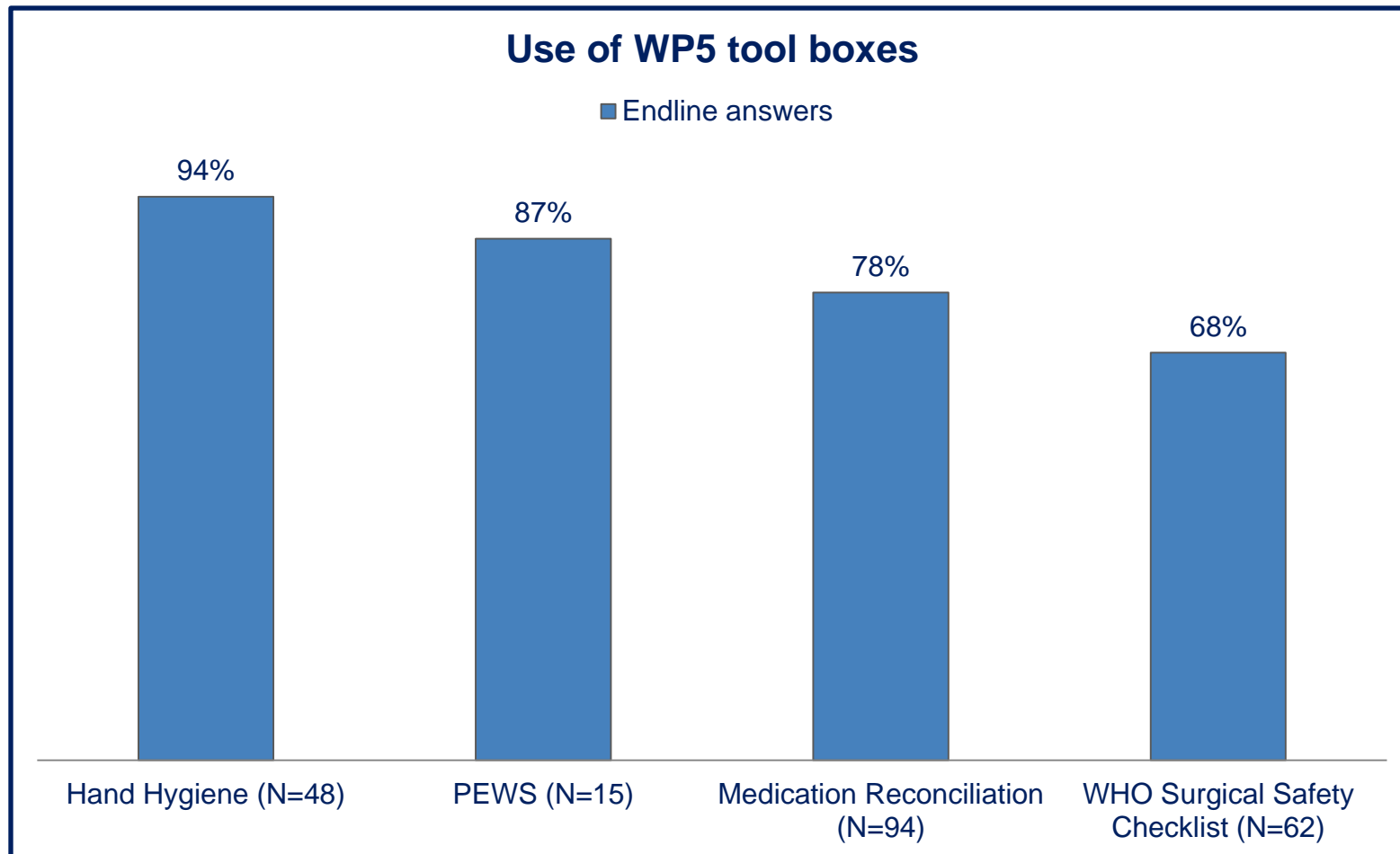
Results

- ✓ What was the implementation progress made within the main WP5 implementation phase (Sept. 2013 - Sept. 2014)?
- ➔ Have the SCPs been implemented as proposed in the tool boxes; means that the information and tools proposed have been used?



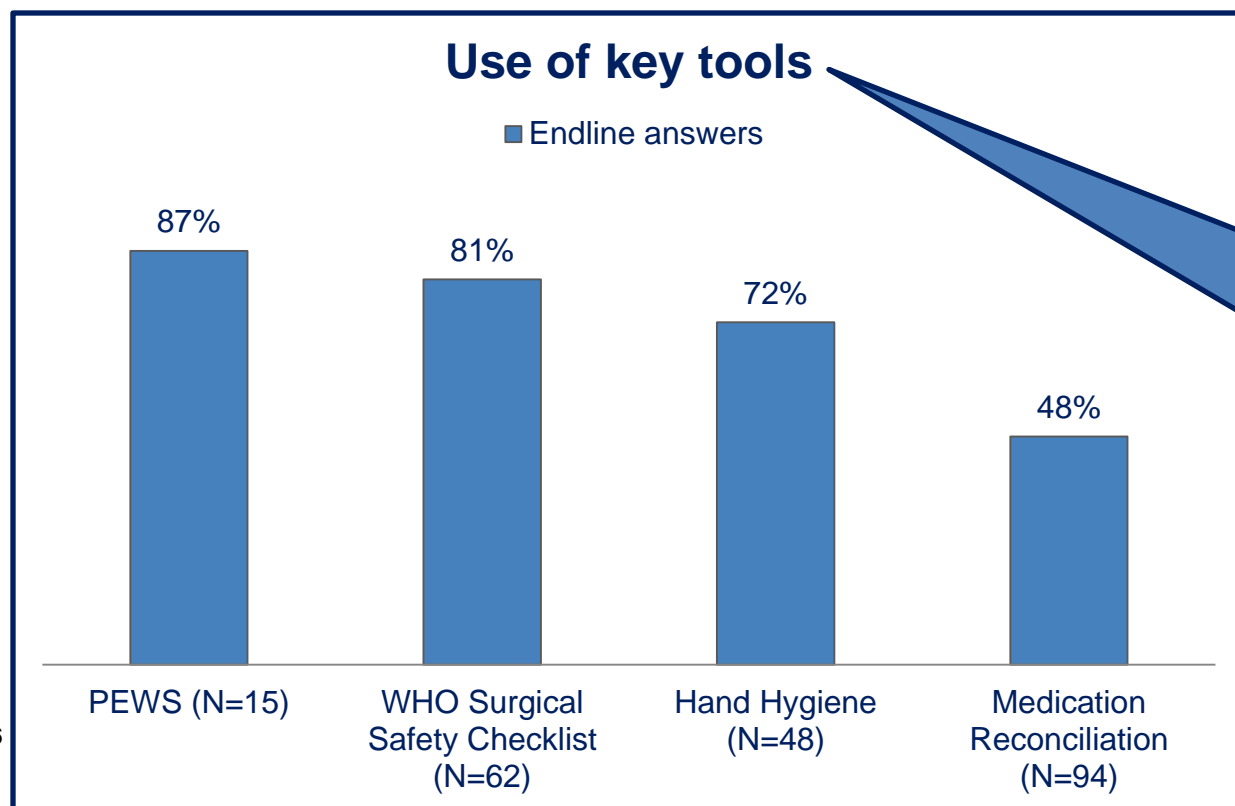
Results tool boxes

The **WP5 tool boxes** were used by between 68% (SSC) and 94% (Hand Hygiene) of the HCO coordinators



Results tool boxes

The **key tools** were used by between 48% (MedRec) and 87% (PEWS) of the HCO coordinators.

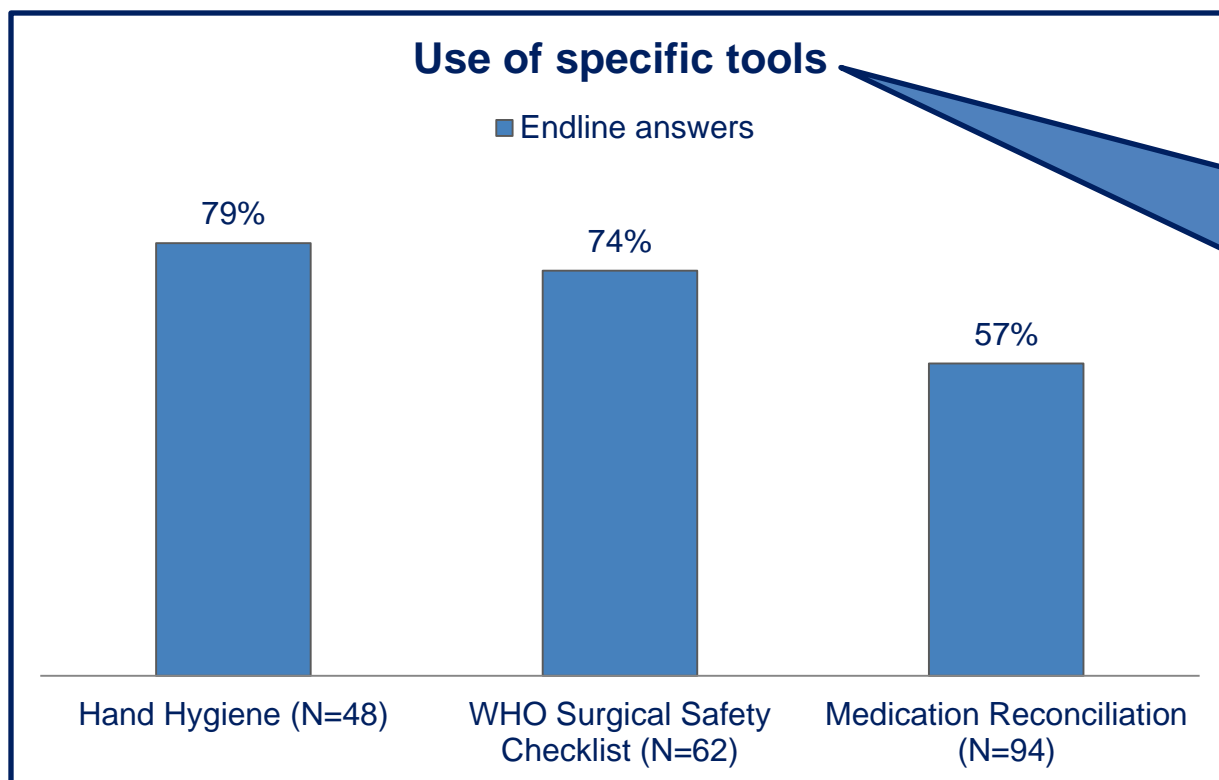


Key tools:

- Identified by literature/web search
- Offered by major international institutions

Results tool boxes

The **specific tools** were used by between 57% (MedRec) and 79% (Hand Hygiene) of the HCO coordinators.



Specific tools:
Identified by a questioning
of PaSQ National Contact
Points and EU
Stakeholders

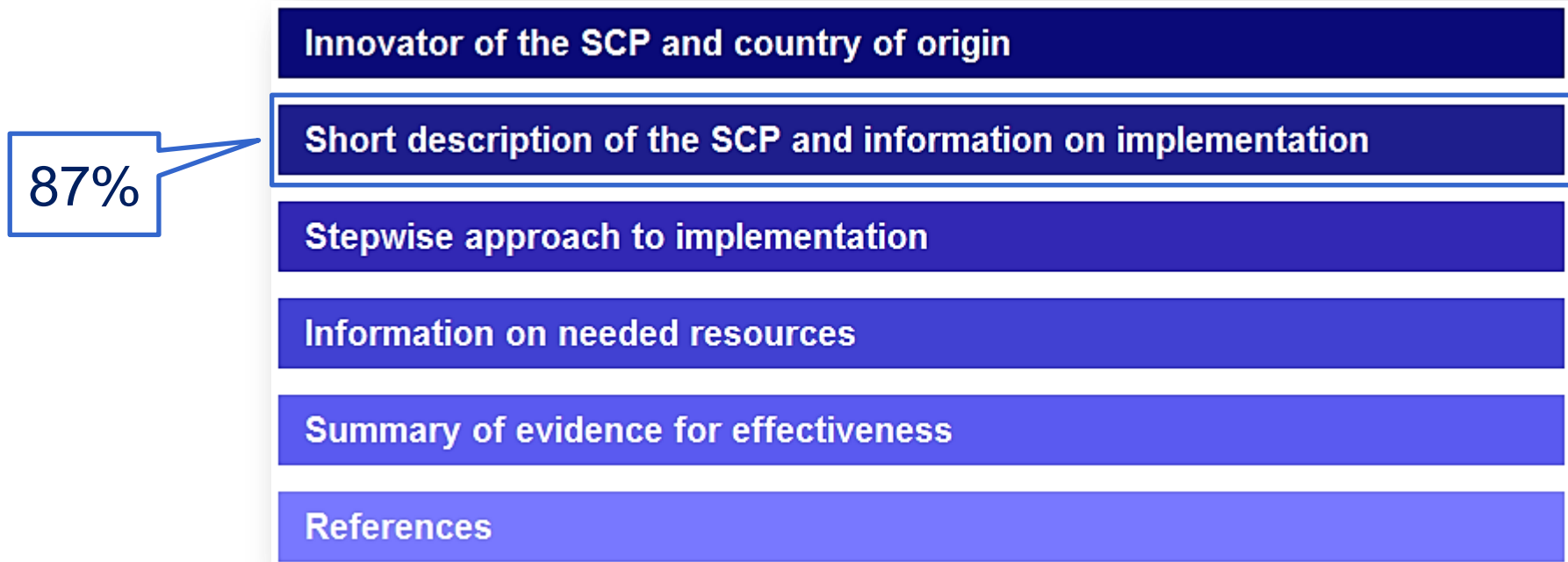
Results tool boxes

The most used information from the WP5 tool boxes varied according to the SCP

Results tool boxes

The most used information from the WP5 tool boxes varied according to the SCP

➤ **Hand Hygiene (N=48)**



Results tool boxes

The most used information from the WP5 tool boxes varied according to the SCP

➤ Paediatric Early Warning Scores (N=15)

Innovator of the SCP and country of origin

Short description of the SCP and information on implementation

Stepwise approach to implementation

Information on needed resources

Summary of evidence for effectiveness

References

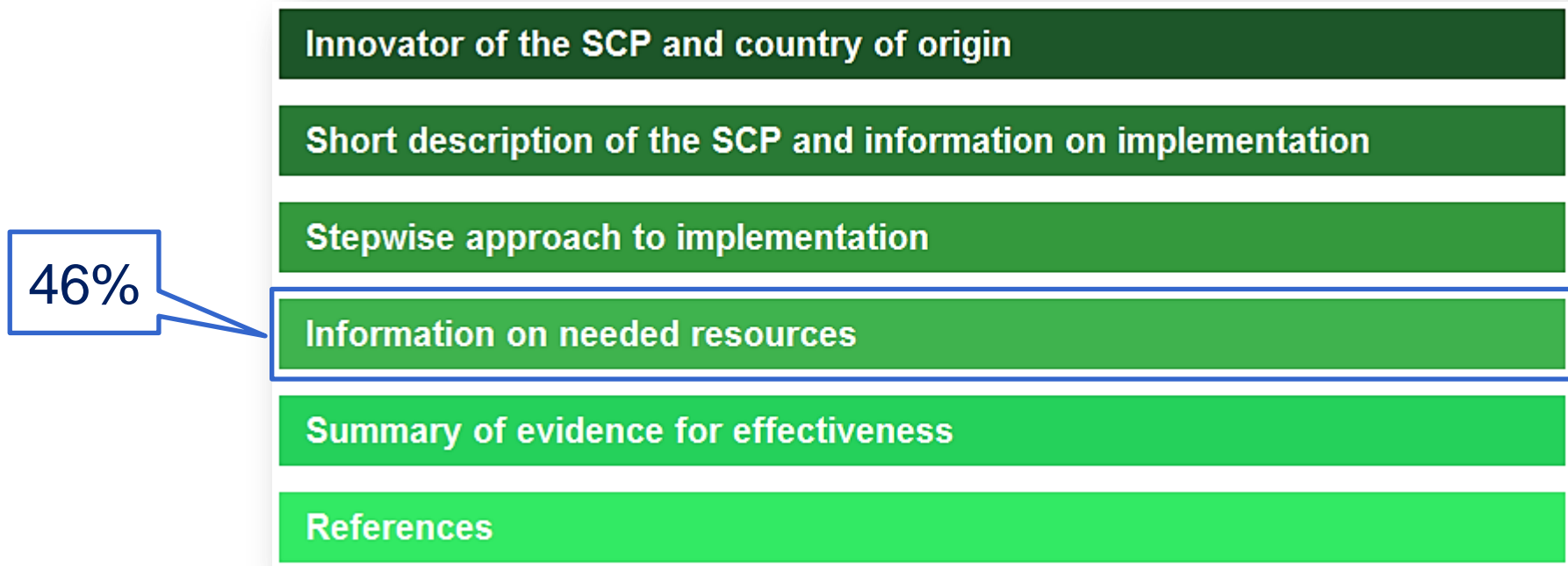
47%
each



Results tool boxes

The most used information from the WP5 tool boxes varied according to the SCP

➤ Medication Reconciliation (N=94)



Results tool boxes

The most used information from the WP5 tool boxes varied according to the SCP

➤ WHO Surgical Safety Checklist (N=62)

37%

Innovator of the SCP and country of origin

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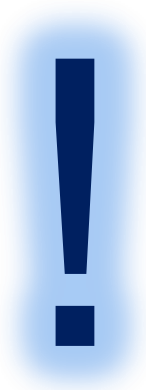
References



Conclusion and final remarks

Limitations

- PaSQ is **not a scientific project** but a networking one → the baseline and endline questionnaires have not been scientifically validated
- Results from the baseline and endline questioning are based on the information provided by the HCO coordinators and on their **subjective assessments**
- **Language barrier:** Could lead to a misunderstanding of some of the questions as all questions and answer options were provided in English
- In general: The question whether the **implementation achievements** are related to PaSQ WP5 or to other (national) initiatives, campaigns or programmes cannot be answered



Conclusion and final remarks

Recap

- **220 HCOs** including hospitals, ambulatory primary healthcare centers, secondary healthcare centers and nursing homes from 18 European countries took part in WP5 implementation
- **Several support means** for the SCP implementation were provided (tool boxes, self-assessment tools, webinars)
- The results of the baseline and endline questioning showed overall a **positive one year development** concerning the implementation

Special thanks to ...

- ... all Spanish Healthcare Organisations that put their effort and time in taking part in the WP5 implementation process
- ... to the Spanish PaSQ National Contact Point for supporting the Spanish HCOs during the PaSQ implementation phase

Thank you for your attention!

eu@hope.be

