



Medication Safety Use in Colombia: The view of the ACQFH

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Annual IMSN Meeting 2023

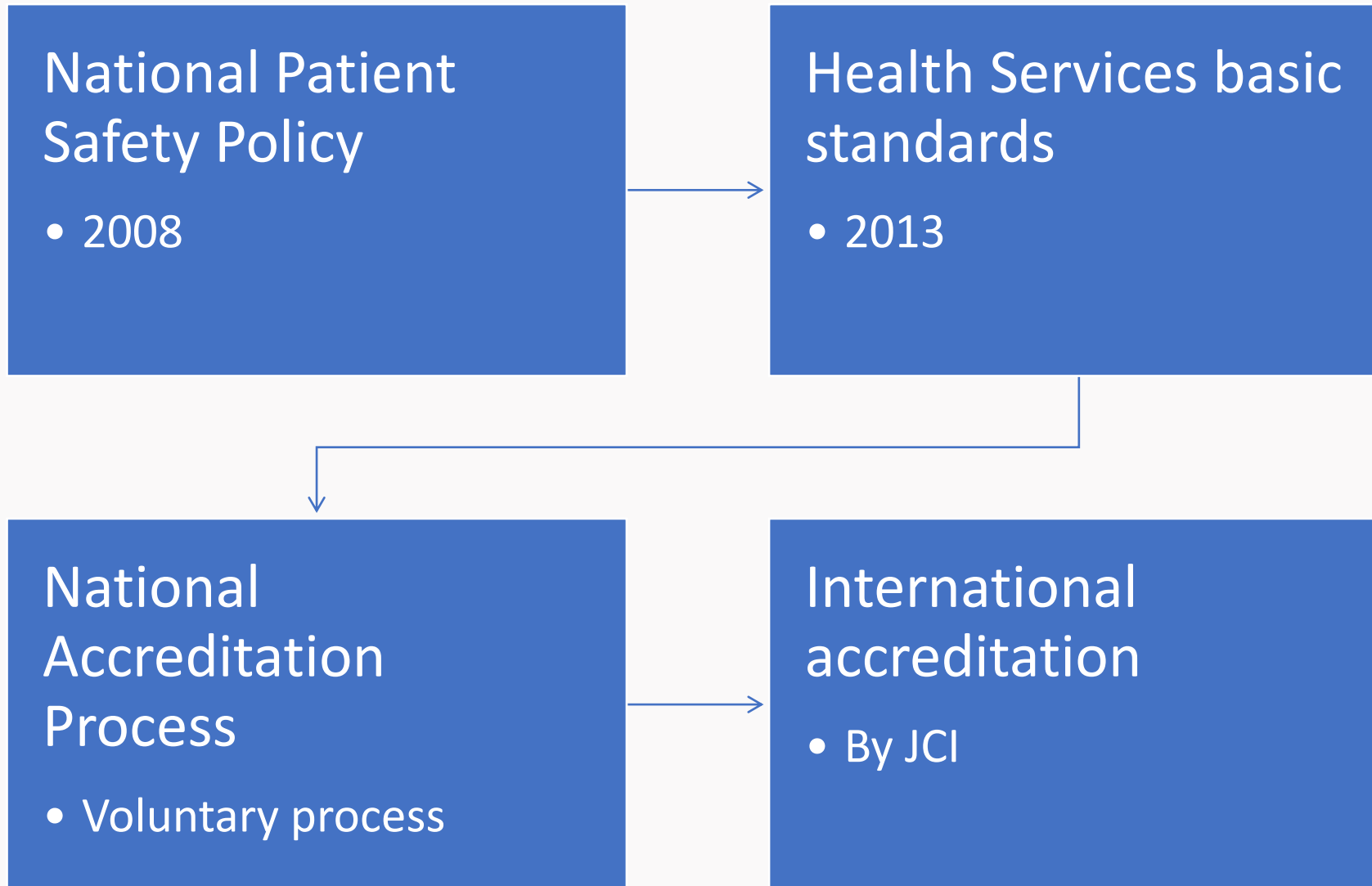
October 24



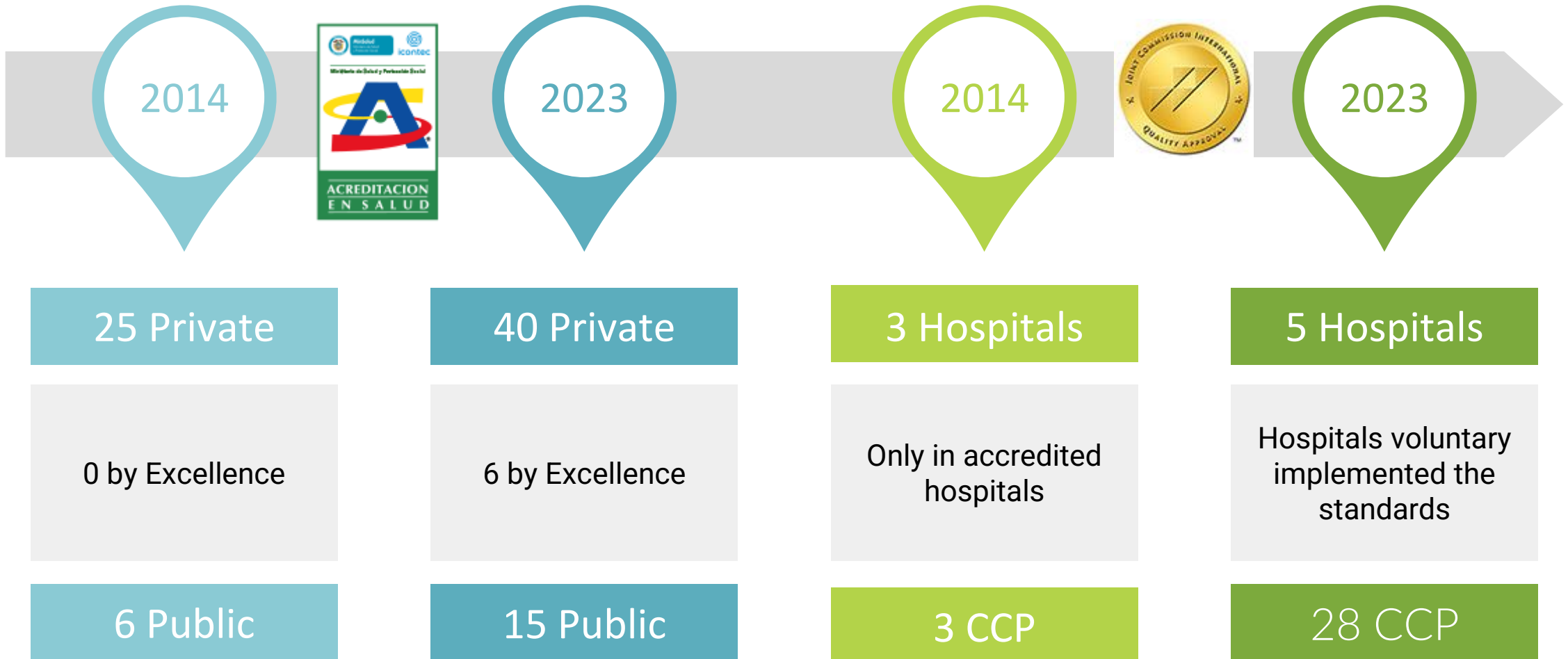
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Hospitalarios

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National background



Evolution during the past 9 years



Actual situation for Hospital Pharmacy

Compounding	Unit Dose System	High Risk	Controlled substances
100% Medications should be compound by Pharmacy	100% Hospitals must have a Unit Dose Program	100% Hospitals must have a high risk medication list.	Effort on 0% losses of controlled substances
Good Compounding Practices	Electronic Prescription and labeling	Medication use proceesses risk assesstment	Staff education and control

Pharmaceutical Industry challenges



Moves towards regional harmonization of labels



Lack of knowledge on regulatory authorities about safer labeling strategies

- 1) Tall-man lettering is not allowed in Chile
- 2) Difficulties to state safer strength expression in Central America



Shortages: “Vital not available”



Few ready to use medications available

Some medication errors: case 1

noticiasrcn.com



Suscribirse

Colombia Internacional Salud y Bienestar Economía Opinión Tendencias Deportes Te

BOGOTÁ enero 24, 2020 | hace 4 años

Por error en entrega de medicamento mueren niños de 7 y 10 años en Bogotá

Cruz Verde admitió su responsabilidad en el caso y comunicó que la funcionaria que cometió el error fue despedida.



Capítulo
Uso seguro de medicamentos

New evidence on safer labeling



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Research Article

Estimating the impact of label design on reducing the risk of medication errors by applying HEART in drug administration

Carlos Aceves-Gonzalez, Angela Caro-Rojas, John A. Rey-Galindo, and 2 more ▾

This is a preprint; it has not been peer reviewed by a journal. ▾

<https://doi.org/10.21203/rs.3.rs-3250873/v1>

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Abstract ▾

Medication errors are one of the biggest problems in healthcare. The medicines ' poor labelling design (i.e., Look-Alike labels) is a well-recognised risk for potential confusion, wrong administration, and patient damage. Human Factors and Ergonomics (HFE) encourages the human-centred design of system elements, which might reduce medication errors and improve people's well-being and system performance.

” Cite

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Status: **Under Review** ▾

 Springer

European Journal of Clinical
Pharmacology

Version 1 ▾

posted 17 Aug, 2023

	Reviews received at journal	27 Sep, 2023
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	Reviewers invited by journal	28 Aug, 2023
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	Editor assigned by journal	10 Aug, 2023
	First submitted to journal	10 Aug, 2023

<https://www.researchsquare.com/article/rs-3250873/v1>

New evidence on safer labeling

Research Article

Estimating the impact of label design on reducing the risk of medication errors by applying HEART in drug administration

Aim: To estimate impact of a Human-Centred Design (HCD) labels on medication administration compared to a Look-Alike (LA) labels.

Method: Modified Human Error Assessment and Reduction Technique (HEART) version to analyse a medication administration task in a simulated NICU scenario (Ergonomics – Human Factors).

Results: Human Error Probability was reduced by up to 56%, and the percentage of contribution to the unreliability of label design was consistently reduced by at least 40% in all the scenarios when the HCD label was evaluated.



ACQFH MEDICATION SAFETY USE CHAPTER



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MAIN OBJECTIVE

To establish a working team belonging to the ACQFH responsible for identifying, promoting and managing the Safe Use of Medicines in Colombia, and acting as a national and international reference.



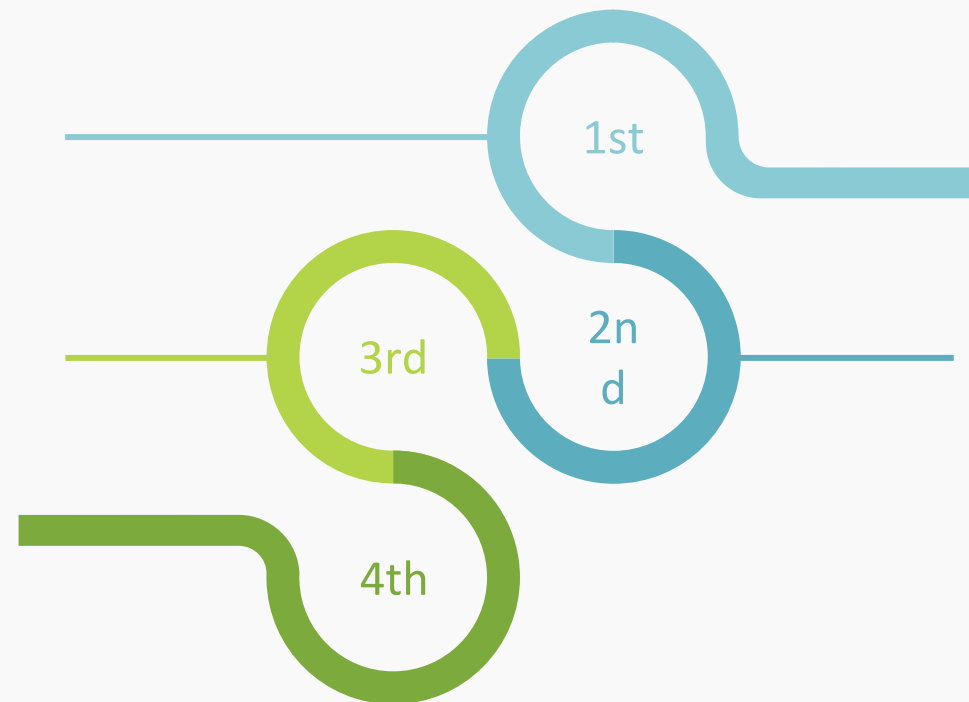
HISTORY OF MEDICATION SAFETY USE CHAPTER

2015

III Medication
Safety Use
Symposium

2019

Medication
Safety Workshop



2016

First Chapter
creation

2022

Medication Safety
Use Chapter
relaunch

OUR TEAM



Viviana A. Pinzón HUSI



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Andrés Valencia HPTU



Karen Charria C.Country



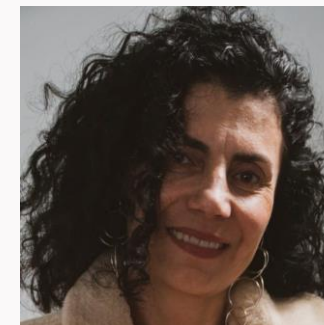
Luis A. Cárdenas HOMI



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Sandra Fuentes H. MEDERI



STRATEGIC GOALS



Establish a comprehensive overview of safe medication use at national level.



To lead consensus relating to safe medication use, and to offer technical support to the healthcare system in this field



To propose and disseminate strategies for medication safety use, and define local implementation models



To maintain a permanent relationship with international medication safety networks in a two-way approach.



MAIN ACHIEVEMENTS



Pharmaceutical cases



Medication safety use chapter relaunch



Capítulo
Uso seguro de medicamentos

Some medication errors: case 2







Bebé de nueve meses, con pronóstico reservado por error con medicamento

Le habrían suministrado 33 veces más la cantidad del fármaco que requería para tratar la dermatitis.



contributing factors

-  Lack of availability of commercially pediatric drugs
-  Calculation errors for pediatric doses.
-  Administration in emergency department.
-  Delegating medication administration activity

Improvement actions

-  Increase in the preparation of standard pediatric doses in pharmacy compounding area
-  Education and training
-  Update available information and protocols
-  Share lessons learned




MAIN ACHIEVEMENTS

Position paper:
*Recommendations for safe
drug preparation in
hospitals*



**1st national survey on
safe use of medication
in hospitals**



- 
- 1 Number of pharmacists, main activities
 2. Internal policies, main strategies for safe use of medication
 3. degree of automation
 - 4 Prevalence of adverse events related to groups of medication



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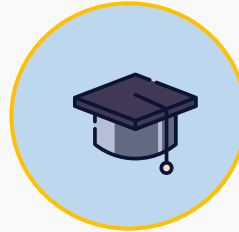


KEY CHALLENGES



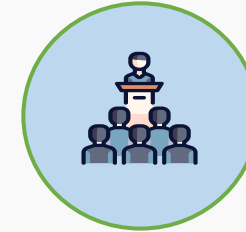
PUBLIC HOSPITALS MEMBERS

To Increase the number of chapter members including those from public hospitals.



RELATIONSHIP WITH ACADEMY

To Stablish an ongoing relationship to support research initiatives and publications.

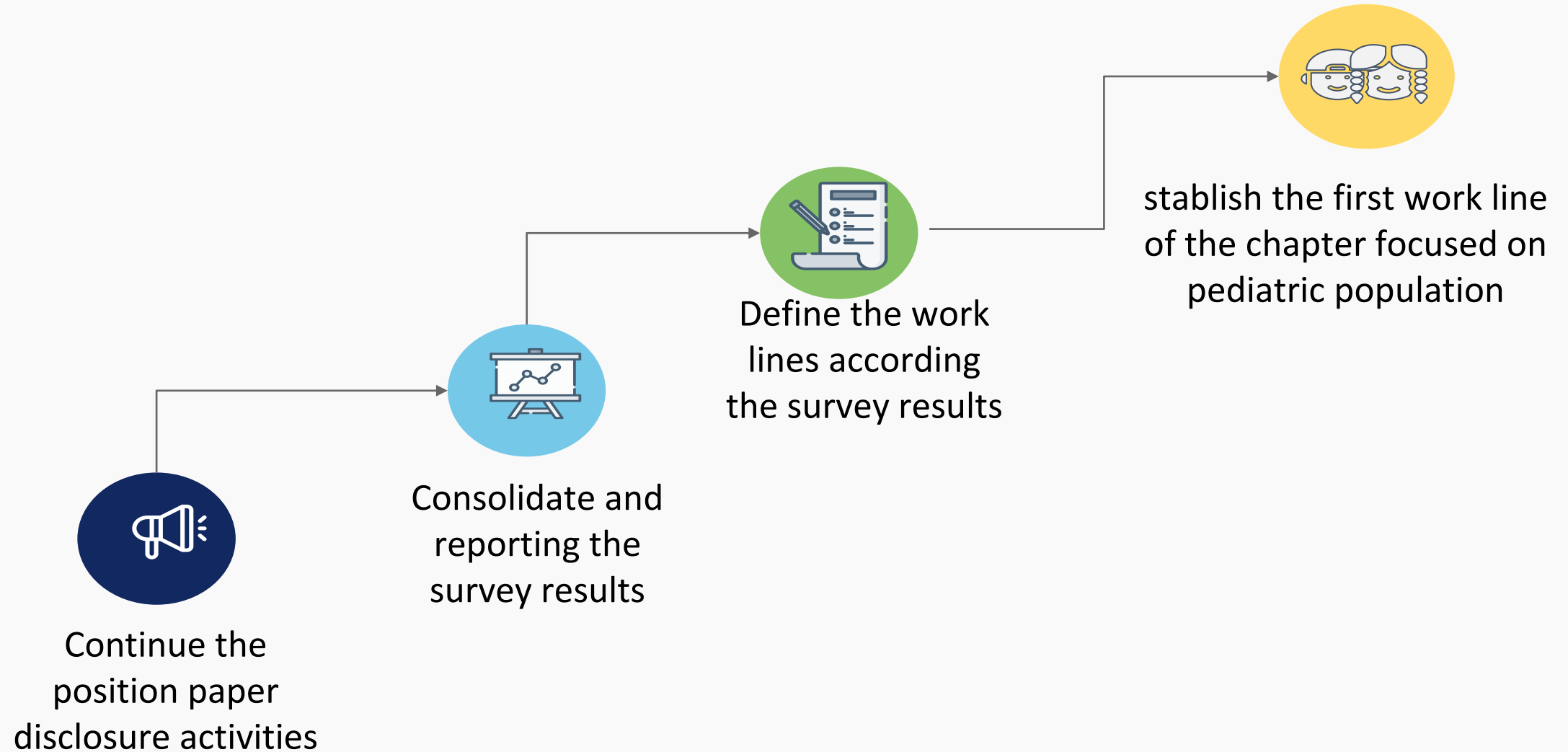


NATIONAL POLICY

To Build a national policy of safe use of medications at the government level.



NEXT STEPS





SAVE THE DATE!!!!!!



2 | 3 | 4
Mayo

Barranquilla
2024



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GARDEN INN

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