

IMPLEMENTATION OF STANDARDIZED DRESSING PRESCRIPTIONS IN THE EMERGENCY DEPARTMENT: IS THERE AN IMPACT?

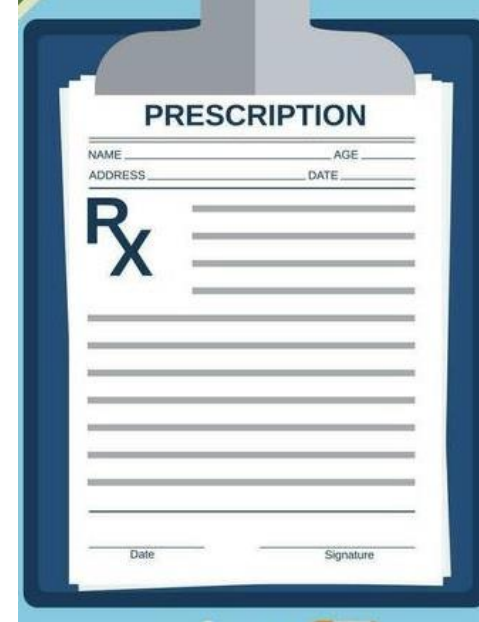


Keywords: dressing, standardized prescriptions, overspending

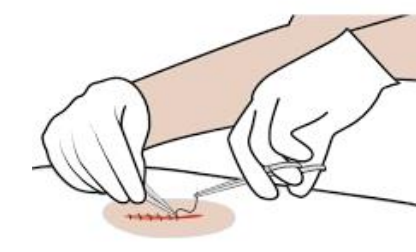
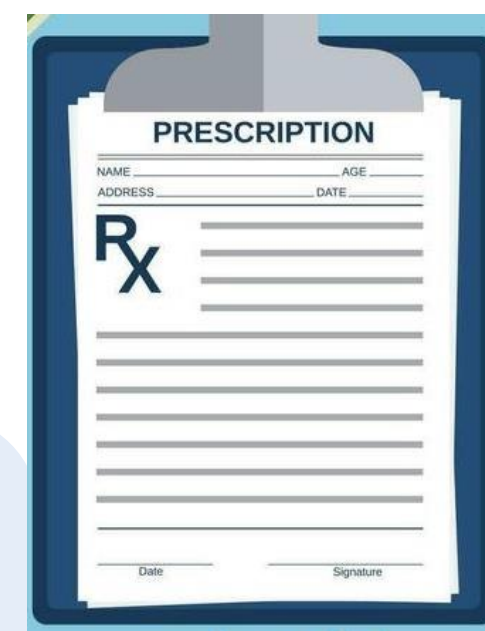
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Background and importance:

Analysis of hospital prescriptions executed in community pharmacies for dressing in 2022-2023



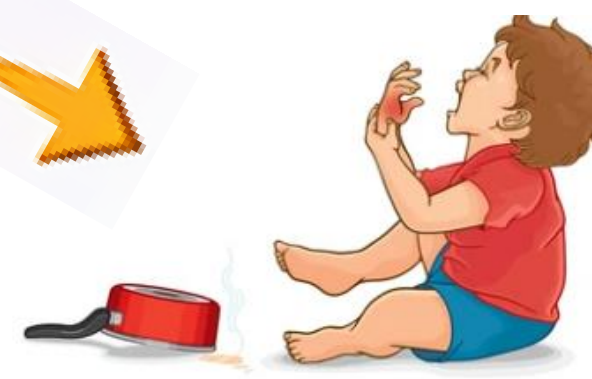
Creation of Standardized Prescriptions (SP) in the Emergency Department



Sutured wounds



Dermabrasions



Burns

Aim and objectives: To assess the impact of implementing SP in the Emergency Department on prescription and dispensing compliance, as well as on overspending.

Prescription Non-Compliances (PNC)
Dispensing Non-Compliances (DNC)
31% overspending for the French National Health Insurance (FNHI – l'Assurance Maladie)

Materials and methods:

1 Collection of prescriptions



Before SP = groupe 1
2023 x30 prescriptions

After SP = groupe 2
2025 x30 prescriptions

+ Billing data

2 Criteria analysis



13 criteria from the PREDISPAD¹ methodology:

7 criteria of prescriptions
6 criteria of dispensing

3 clinical criteria:

Indication
Severity
Size of the wound

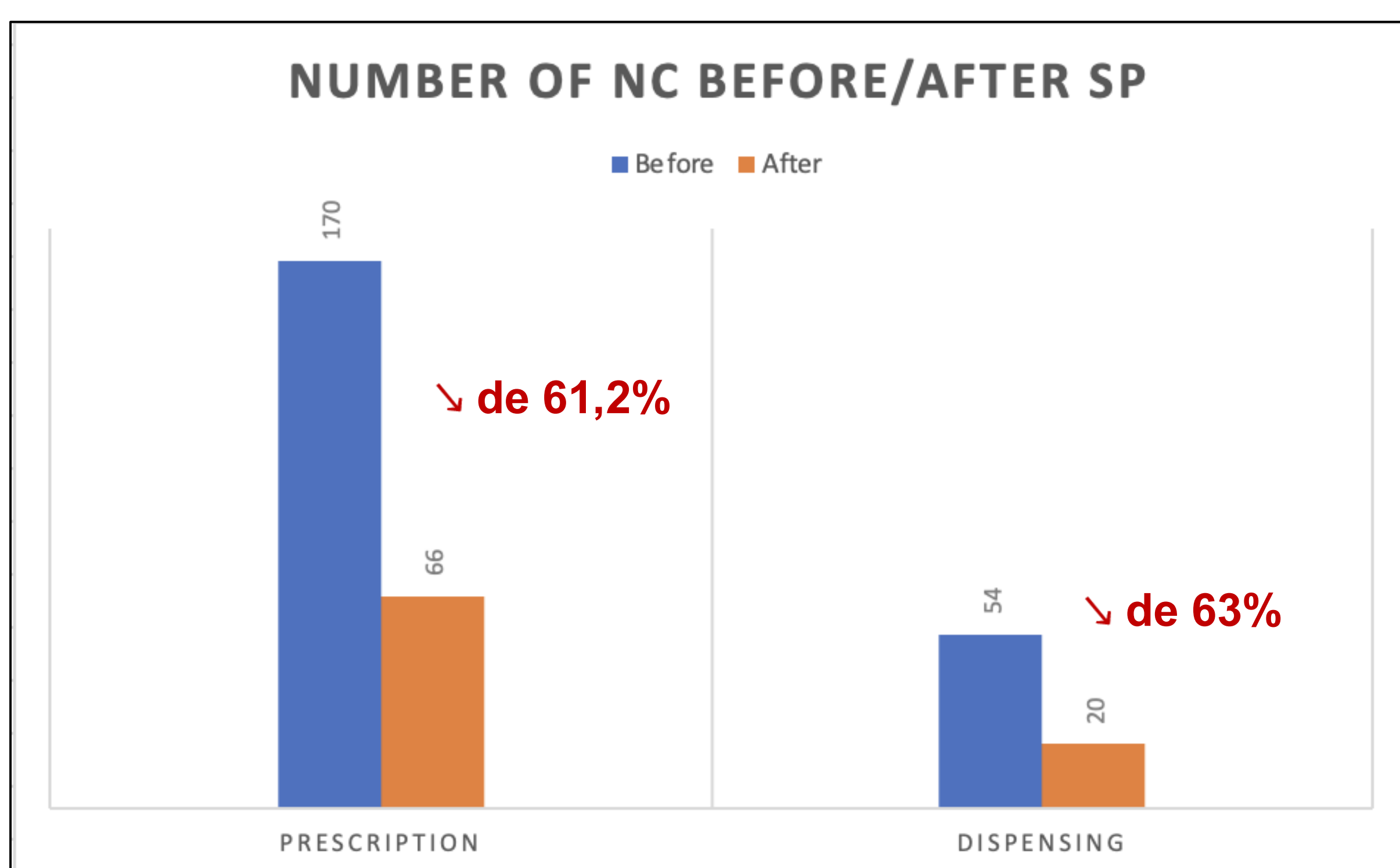
3 Z-Test calculation



Using the Z-test ($\alpha = 5\%$) for the difference between two means in large independent samples ($n \geq 30$)

Results:

Non-compliances



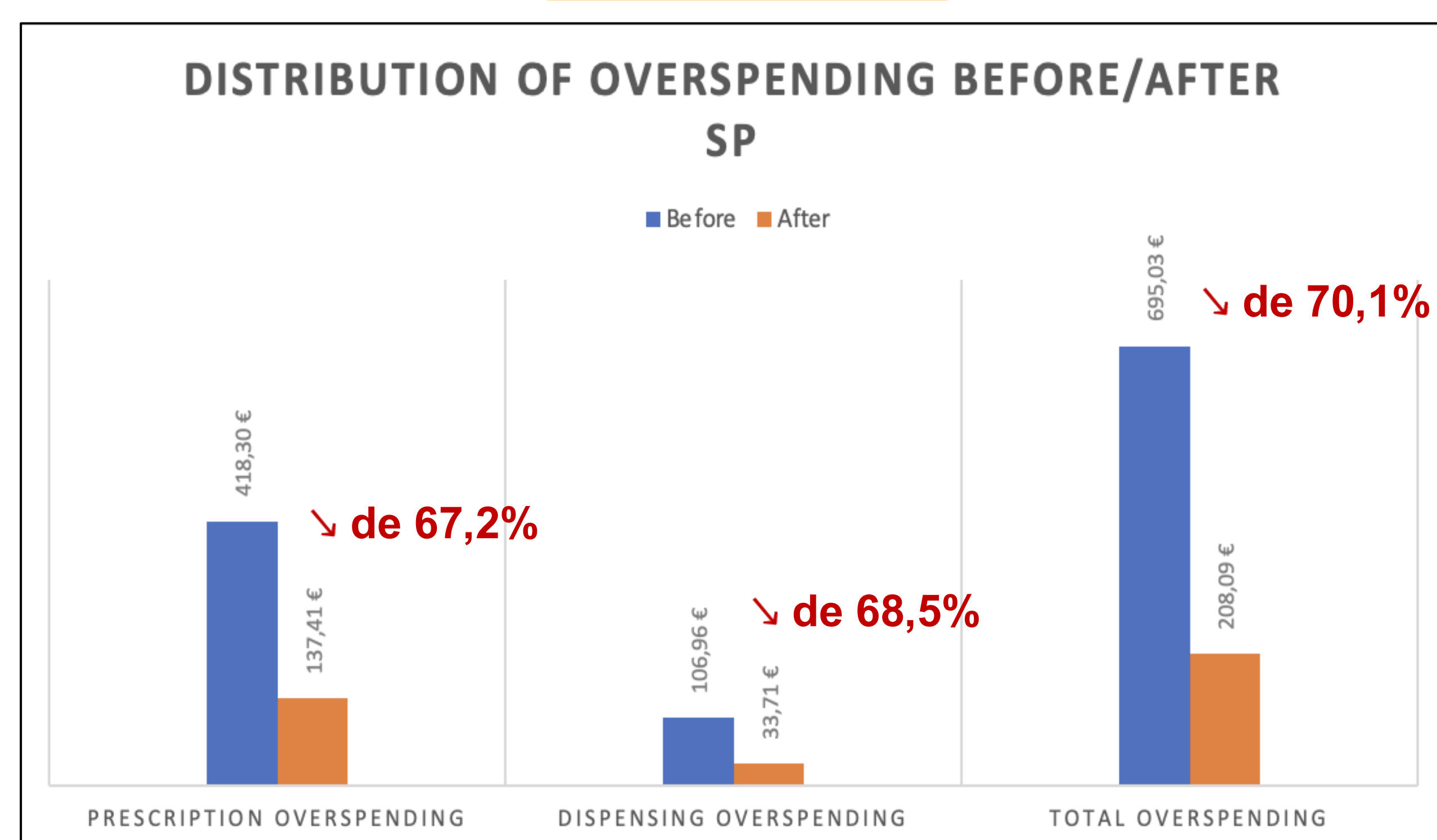
Mean number of **Prescription Non-Compliances (PNC):**
Group 1 (n = 30): 5.67 (± 2.71)
Group 2 (n = 30): 2.2 (± 2.78)

Z-test → significant

Mean number of **Dispensing Non-Compliances (DNC):**
Group 1 (n = 30): 1.8 (± 1.58)
Group 2 (n = 30): 0.67 (± 1.09)

Z-test → significant

€ Overspending



Mean **Prescription Overspending (PO):**
Group 1 (n = 30): €13.94 (± 19.93)
Group 2 (n = 30): €4.58 (± 10.99)

Z-test → significant

Mean **Dispensing Overspending (DO):**
Group 1 (n = 30): €3.57 (± 11.2)
Group 2 (n = 30): €1.12 (± 3.81)

Z-test → no significant

Mean **Total Overspending (TO)** per prescription:
Group 1 (n = 30): €23.17 (± 30.7)
Group 2 (n = 30): €6.94 (± 12.3)

Z-test → significant

Conclusion and relevance:

1 Impact in the Emergency Department



Strong and real impact of SP !

2 No significant effect on DO

The absence of a significant effect on DO may be attributed to the awareness campaign initiated by the FNHI in collaboration with community pharmacies.



3 Future perspectives

Futur perspectives should explore the implementation of SP in surgical departments.

