In a French university hospital, a first preliminary study conducted in 2017 among the mothers of a postpartum unit showed that 82% of medication administrations were not traced in the electronic medical chart. In this unit, for women postvaginal delivery only, midwives ensure patient management and prescribe basic pain medication, which are self-managed by the mother. These results reveal the insufficient traceability of self-managed medication in the postpartum unit.

Objectives
To evaluate the professional practices of midwives before and after implementation of medication safety procedures by pharmacists.

Methods
The postpartum unit is divided in four 12-bed, 18 midwives are working 12-hour shifts. The first round of the audit took place in January 2018. The main criteria evaluated was bedside pillboxes agreement with prescription and computerized traceability of self-administrations. All mothers systematically have the postvaginal delivery analgesia protocol prescribed and their individual chronic treatment if applicable.

A mandatory computer commentary was added on the prescription software to be filled by midwives every 12 hours at pillbox change to allow for twice daily traceability of self-administered medication.

At the same time, a medication safety action plan including midwives awareness to medication errors was implemented.

Following the implementation of safety procedures, a second audit round was led in September 2018.

Results
The first audit round involved 16 patients and revealed that:
- Only, 69% of pillboxes were in agreement with prescription.
- Prescription was computerized for 25% of non-protocol medications.
- 25% of non-protocol administrations were traced whereas 12.5% of protocol analgesics were.
- No medication administration was traced in real-time.

The second audit including 11 patients, revealed that:
- 100% of pillboxes were in agreement with the prescription.
- The prescription was computerized for 100% of non-protocol prescriptions.
- 90% of non-protocol medication administrations were electronically traced in real-time.
- 75% of the per protocol analgesic administrations were electronically traced in real-time.

Conclusions
These pharmacist-led medication safety actions made it possible to ensure safe self-management of postpartum treatments by mothers. Pharmacists involvement also helped meet the requirements of the French National Health Authority (HAS) for traceability of medication administration and medication self-management.