

Implementation of medication reviews in a psychiatric hospital: a monocentric, retrospective, observational study

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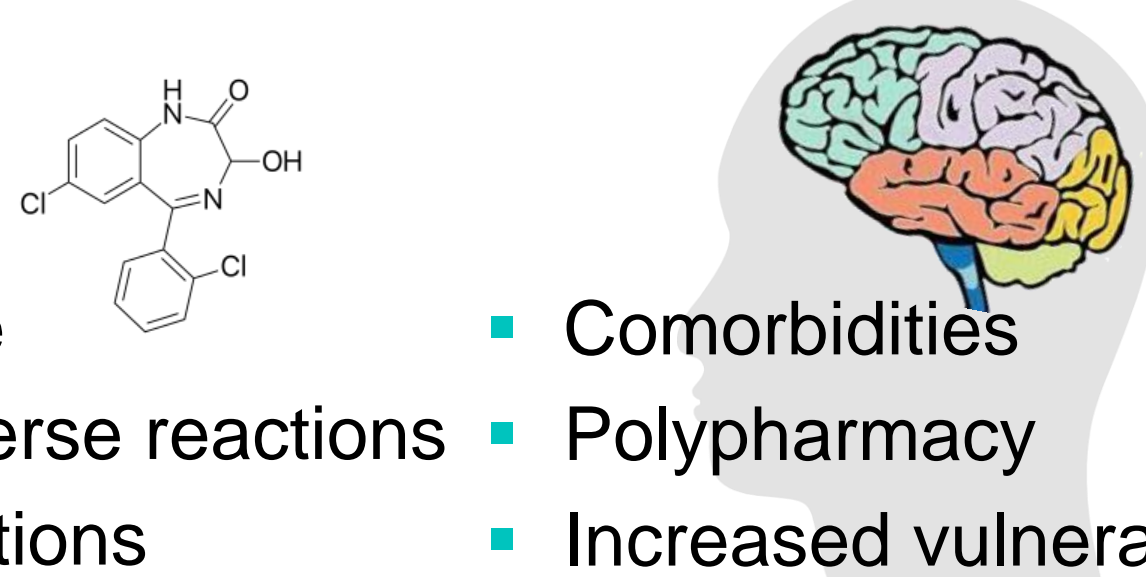
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Introduction

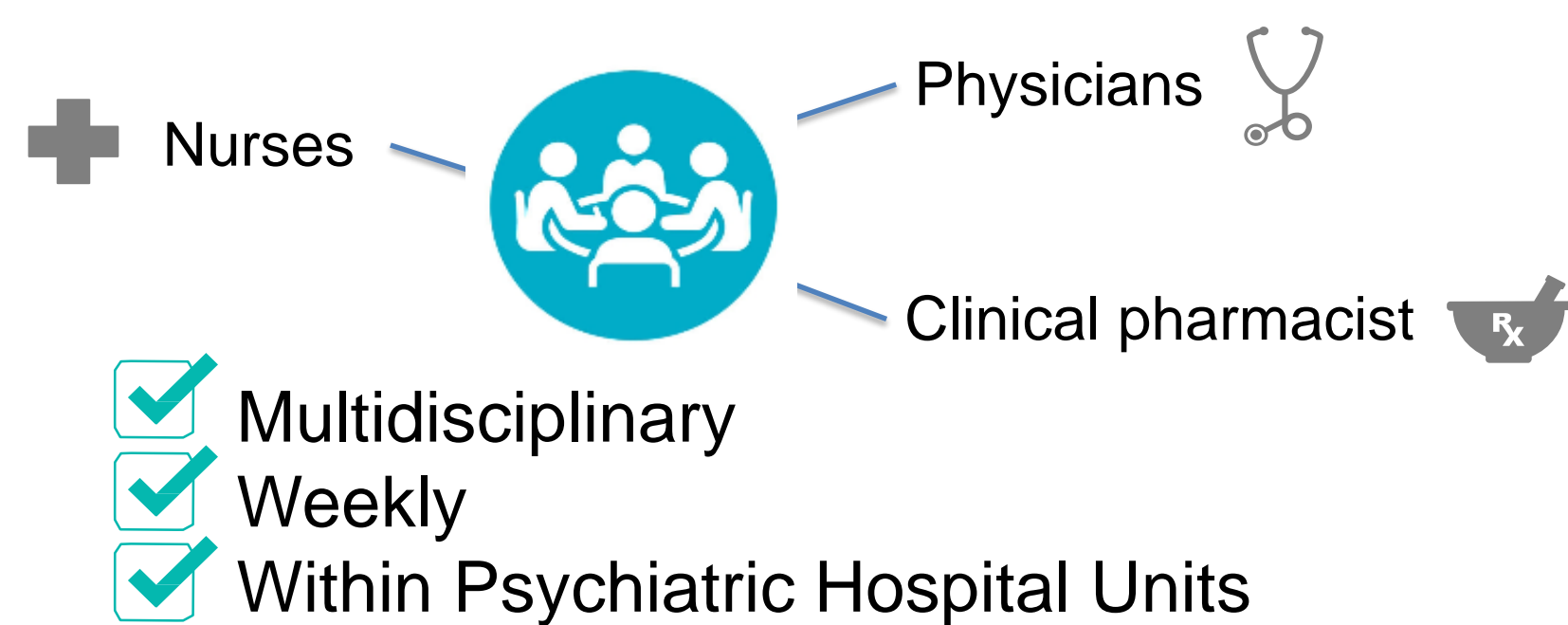
Why optimizing pharmacotherapy is essential ?

❖ Psychotropic drugs ❖ Psychiatric population

- Complex
- Off-label use
- Serious adverse reactions
- Drug interactions
- Comorbidities
- Polypharmacy
- Increased vulnerability



Implementation of medication reviews



Aim of this study :

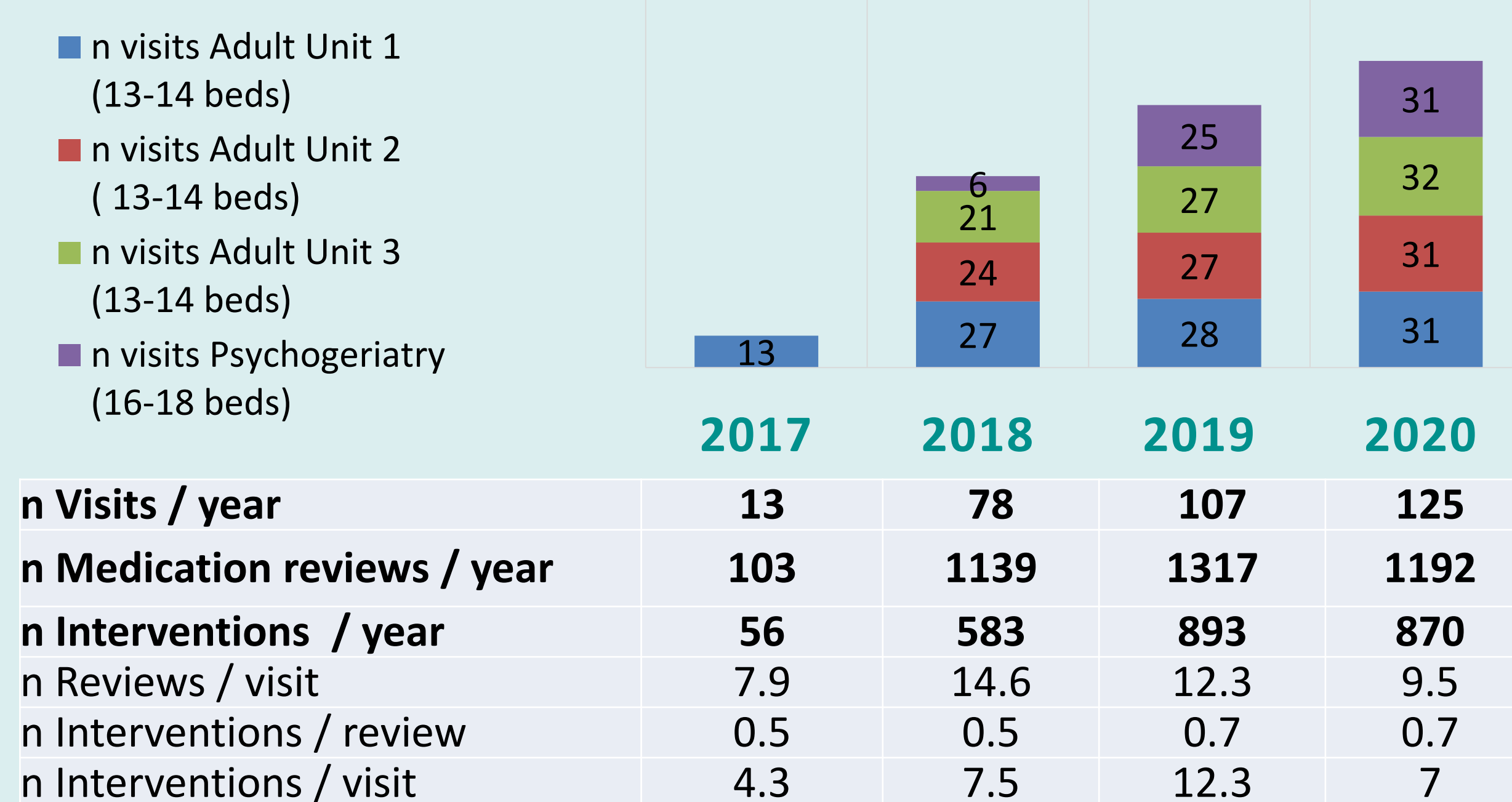
- To describe the pharmaceutical (PI) during the medication reviews implemented in a psychiatric hospital
- To evaluate its impact on the routine of the clinical pharmacy unit

Design

- ❖ Retrospective, monocentric, observational study.
- ❖ Pharmaceutical interventions (PI) collected from Jan. 2017 to Dec. 2020 during the medication reviews, carried out in 3 adult psychiatric (3x14 patients) and 1 psychogeriatric (18 patients) units.
- ❖ Notification of the PI according to the classification system from the Swiss Association of Public Health Administration and Hospital Pharmacists 2014.
- ❖ Quantification and classification of the questions reaching the hotline of the clinical pharmacy unit.

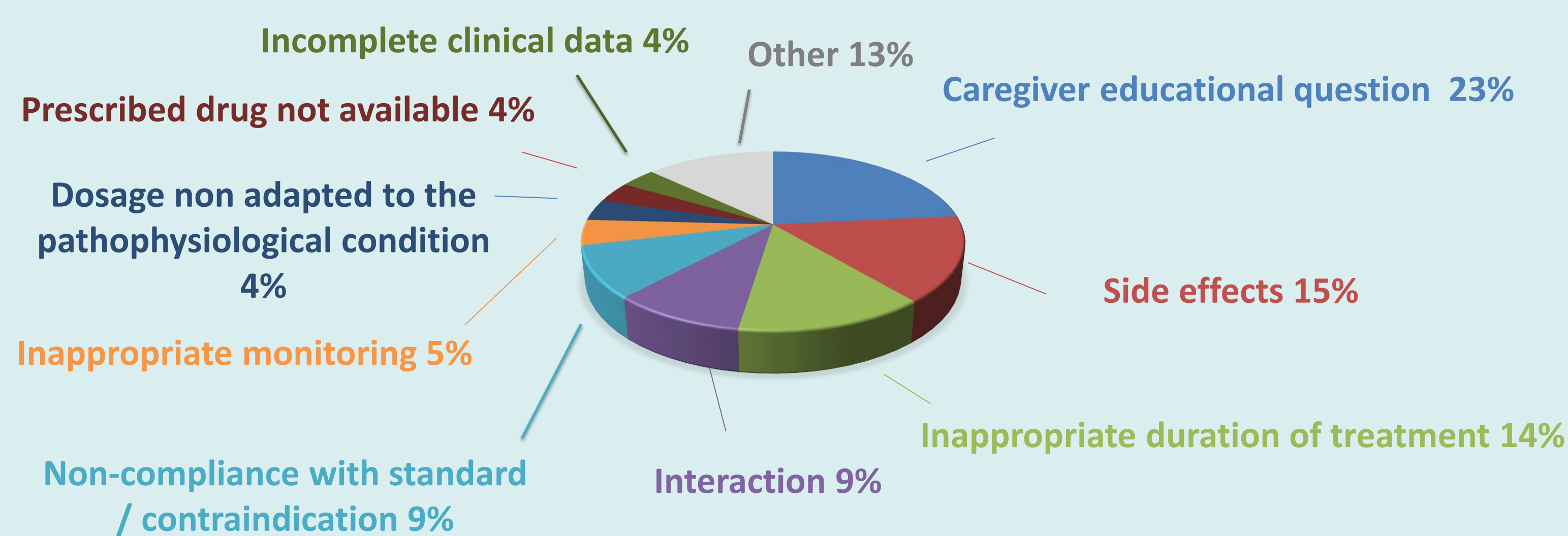


Medication Reviews Implementation

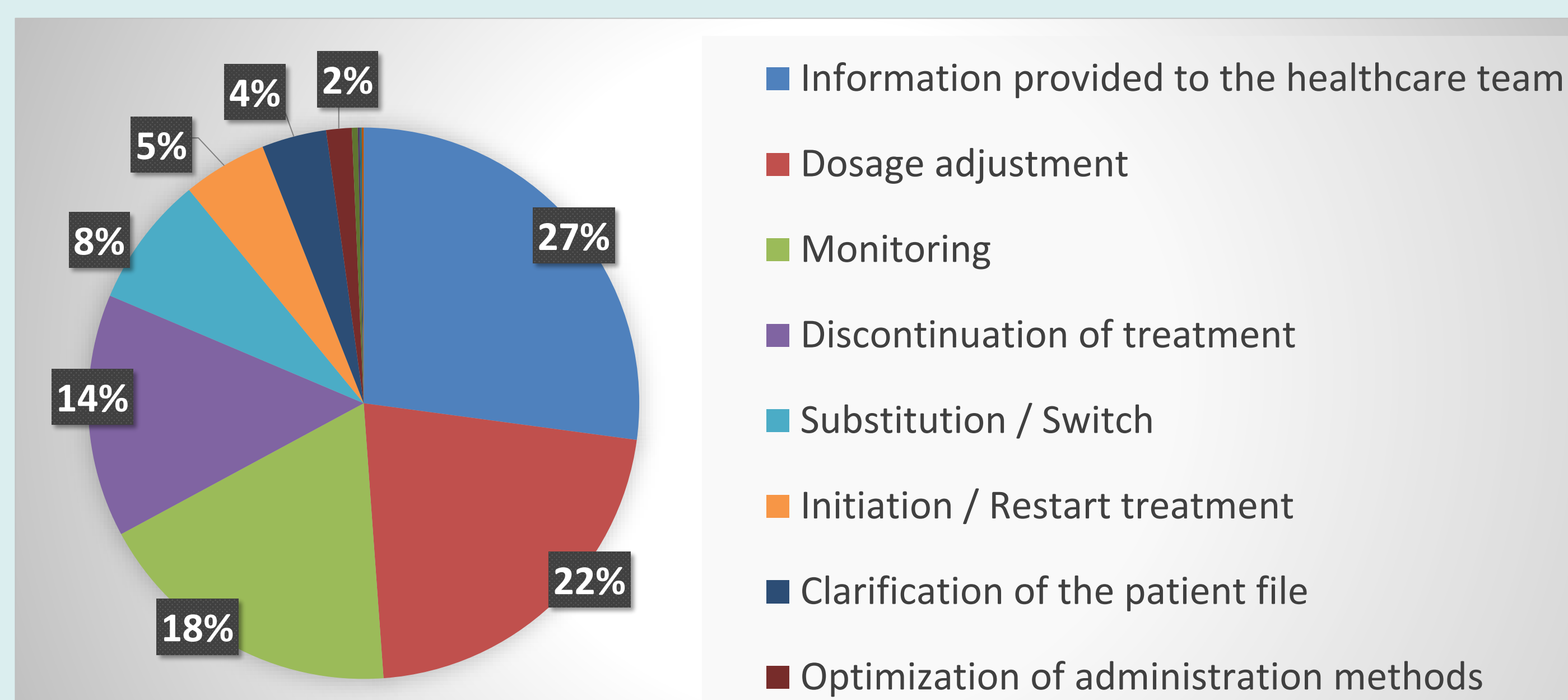


Medication Reviews in 2020

Reason of pharmaceutical interventions



Pharmaceutical interventions : type of propositions



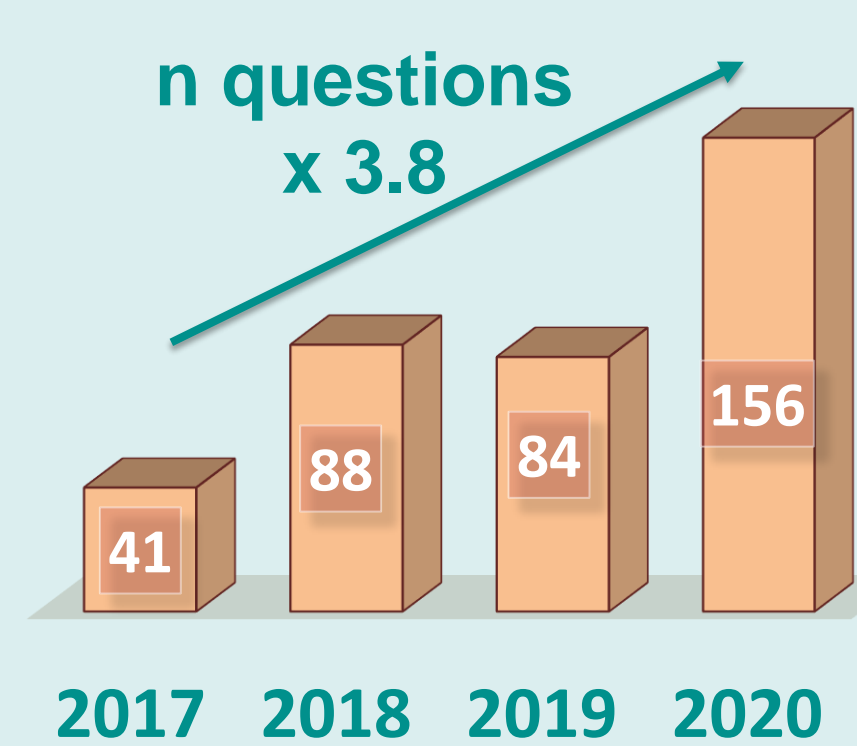
Outcome of the interventions

- ✓ 65% Accepted
- 11% non accepted
- ✓ 24% not applicable/Unknown



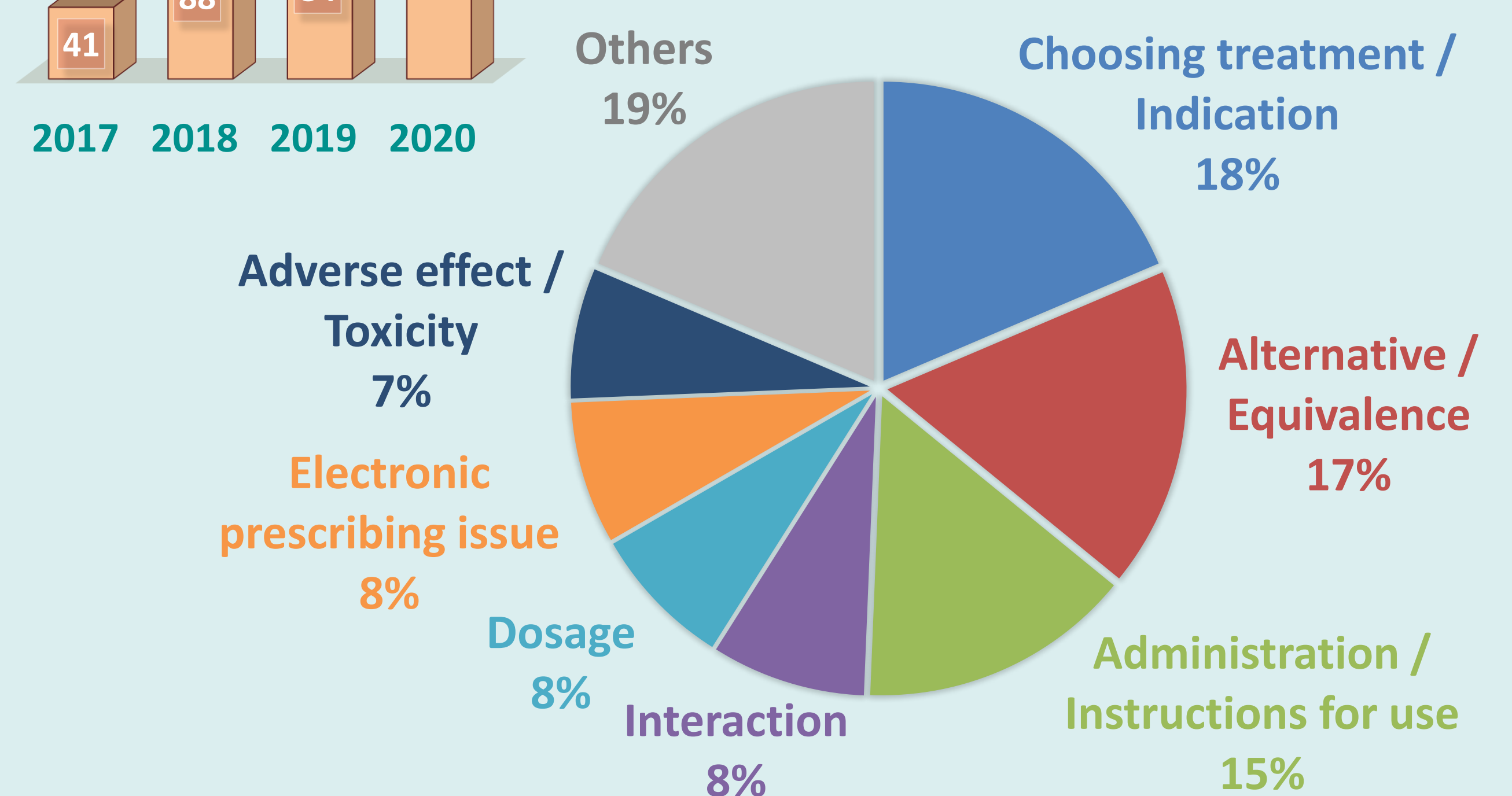
Hotline: Questions related to Psychiatry

Evolution from 2017



- ✓ from doctors : 65%
- ✓ from nurses: 18%
- ✓ from pharmacy: 15%
- ✓ from others : 2%

Type of questions in 2020



DISCUSSION

- The multidisciplinary context has a key role in the success of the medication review.
- The executive doctor has had a decisive role in supporting the implementation of the clinical pharmaceutical interventions.
- The "non accepted" interventions need to be further documented in order to better tailored the pharmaceutical interventions.

CONCLUSION

- Clinical pharmacists allow to provide safety use of psychotropic drugs and have a central role in improving therapeutic management.
- The increasing number of questions reaching the clinical pharmacy unit highlights the need of regular pharmaceutical support in psychotropic prescribing.