

# Creation of an innovative and attractive training programme for prescribers to promote the correct use of fluoroquinolones (FQ)

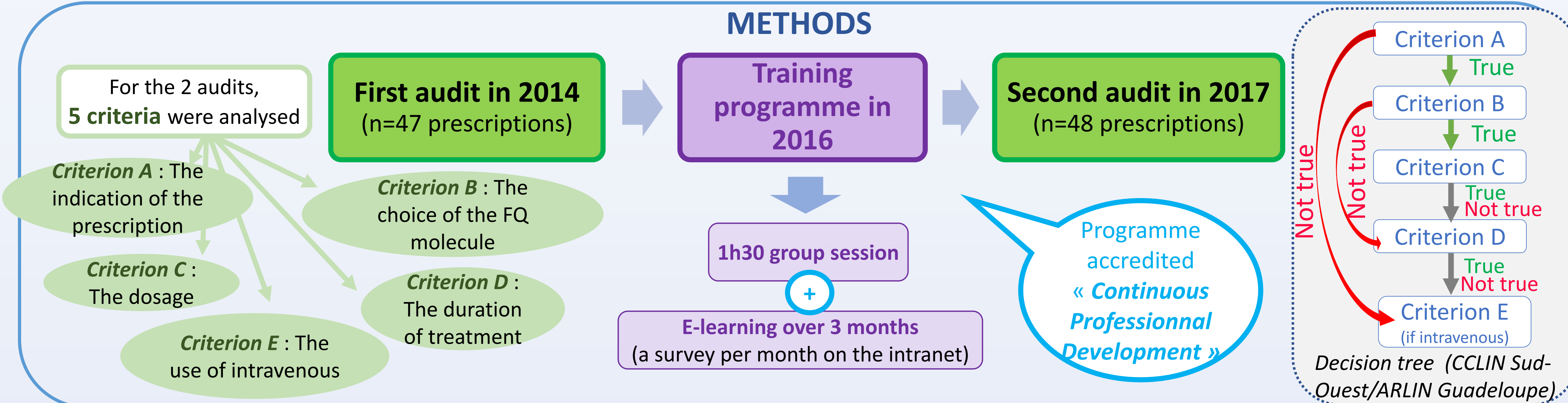
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## OBJECTIVES

→ Innovative and attractive training programme for prescribers to promote the correct use of fluoroquinolones (FQ)

## METHODS



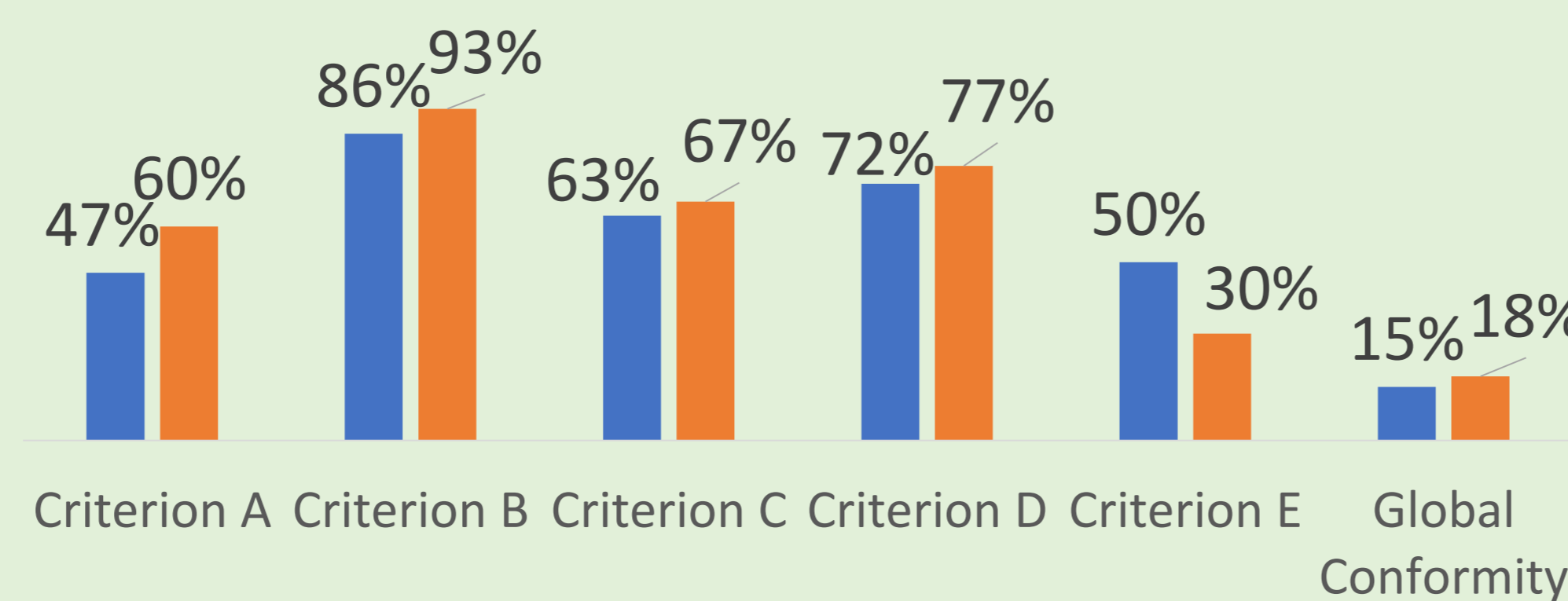
## RESULTS

### TRAINING PROGRAMME

- ✓ The group session : **65% of participation**
  - ✓ E-learning : **7 physicians** (participated at all e-learning)
  - ✓ Evaluation (note):
- |                      | Before | After |
|----------------------|--------|-------|
| Group session (n=33) | 4/9    | 8/9   |
| E-learning           | 6/10   | 8/10  |
- ✓ **Satisfaction** : 😊 All of participants found this training useful

Year	2014	2017
Duration (days)	43	77
Number of prescriptions	47	48

### Percentages of conformity

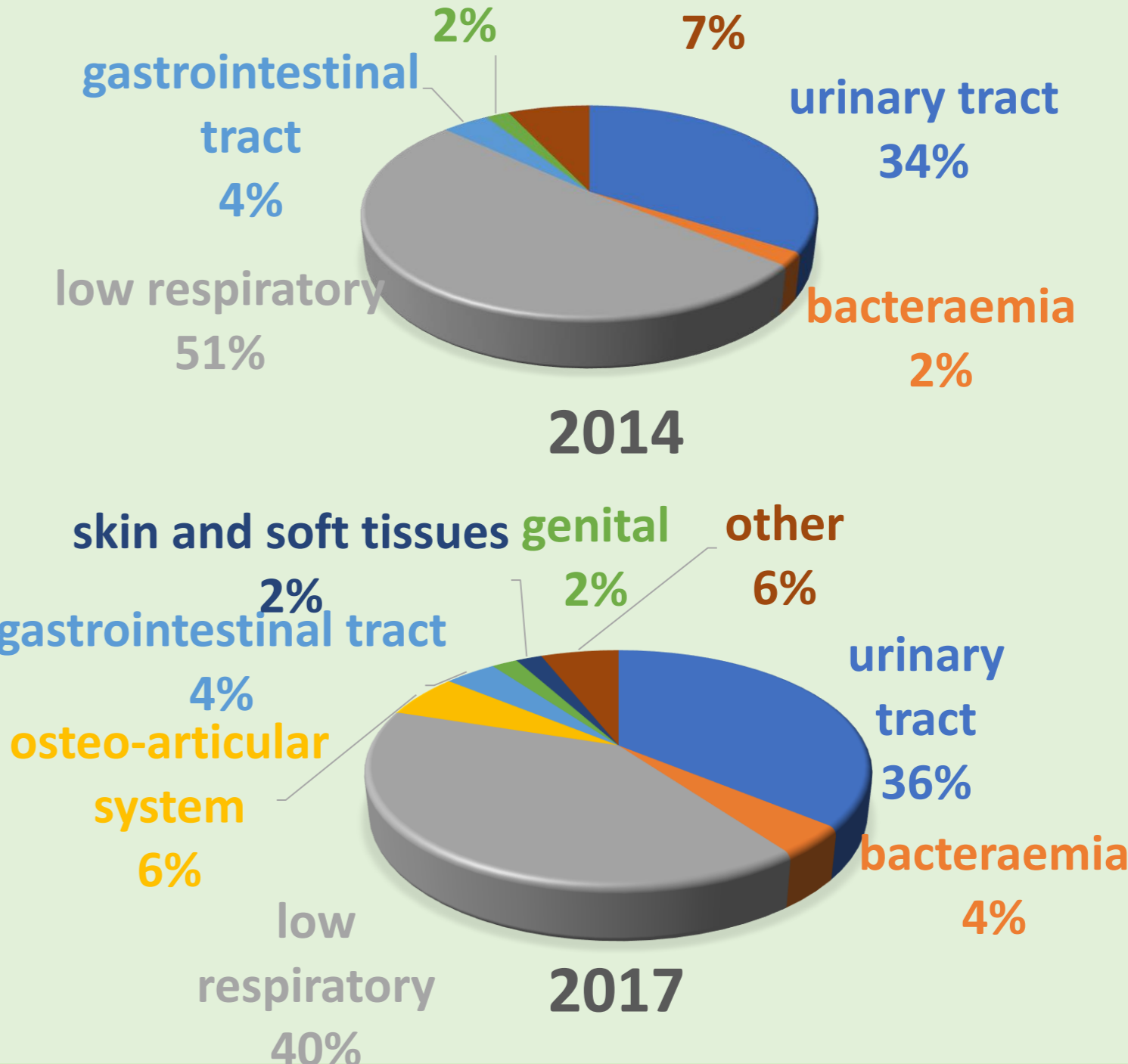


Increase in the percentage of global conformity → improvement of practices

### AUDITS

Increase in the duration of the 2017's audit compared to 2014's audit (for a similar number of prescriptions) → ↘ in the use of fluoroquinolones of 43% in 2017

### Repartition of infections treated with FQ in the 2 audits



✓ ↘ low respiratory infection treated with FQ in 2017

✓ Appearance of osteo-articular system infection, bacteriemia, skin and soft tissues infections treated with FQ in 2017

## CONCLUSIONS-DISCUSSION

- This initiative, conducted by a chemist, a physician specialized in infectious diseases and a quality expert, has led to the development of training for prescribers **combining traditional and digital tools**.
- Valorization in a "**Continuing Professional Development Programme**" is a real argument which attracts more participants and allows sustainability of this project.
- Furthermore, **the warning issued by the European Medicines Agency** of potentially permanent side effects of quinolone and fluoroquinolone antibiotics is an argument to pursue this training programme, in order to restrict the prescriptions.

## ACKNOWLEDGEMENTS-REFERENCES

1. <https://www.ncbi.nlm.nih.gov/pubmed/?term=Relevance+of+Fluoroquinolone+Use+in+a+French+Teaching+Hospital>
2. <https://www.ncbi.nlm.nih.gov/pubmed/?term=Optimizing+Fluoroquinolone+Utilization+in+a+Public+Hospital+%3A+A+Prospective+Study+of+Educational+Intervention>
3. <https://www.ema.europa.eu/en/medicines/human/referrals/quinolone-fluoroquinolone-containing-medicinal-products#key-facts-section>

