

# Drug information and the use of a pillbox to improve satisfaction of patients treated with temozolomide

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## OBJECTIVE

To determine if pharmaceutical information and the use of pillboxes may improve satisfaction of patients treated with temozolomide.

## METHOD

This prospective and interventional study included adult patients who picked temozolomide up in our Hospital Pharmacy Service (from 01/03/2012 to 31/08/2012).

- **1<sup>st</sup> VISIT.** Patients previously treated with temozolomide complete a satisfaction questionnaire, that was adapted from the validated ESTAR questionnaire (ARPAS study)<sup>1</sup>. Our questionnaire consisted in 9 questions to be valued from 0 (very unsatisfied) to 6 (very satisfied) points and another two items about temozolomide information received. Then pharmaceutical information and pillboxes were provided to all patients.

- **2<sup>st</sup> VISIT.** Patients received a second questionnaire, with 6 satisfaction questions and 5 questions about usefulness of the pillbox and the information provided by hospital pharmacists.

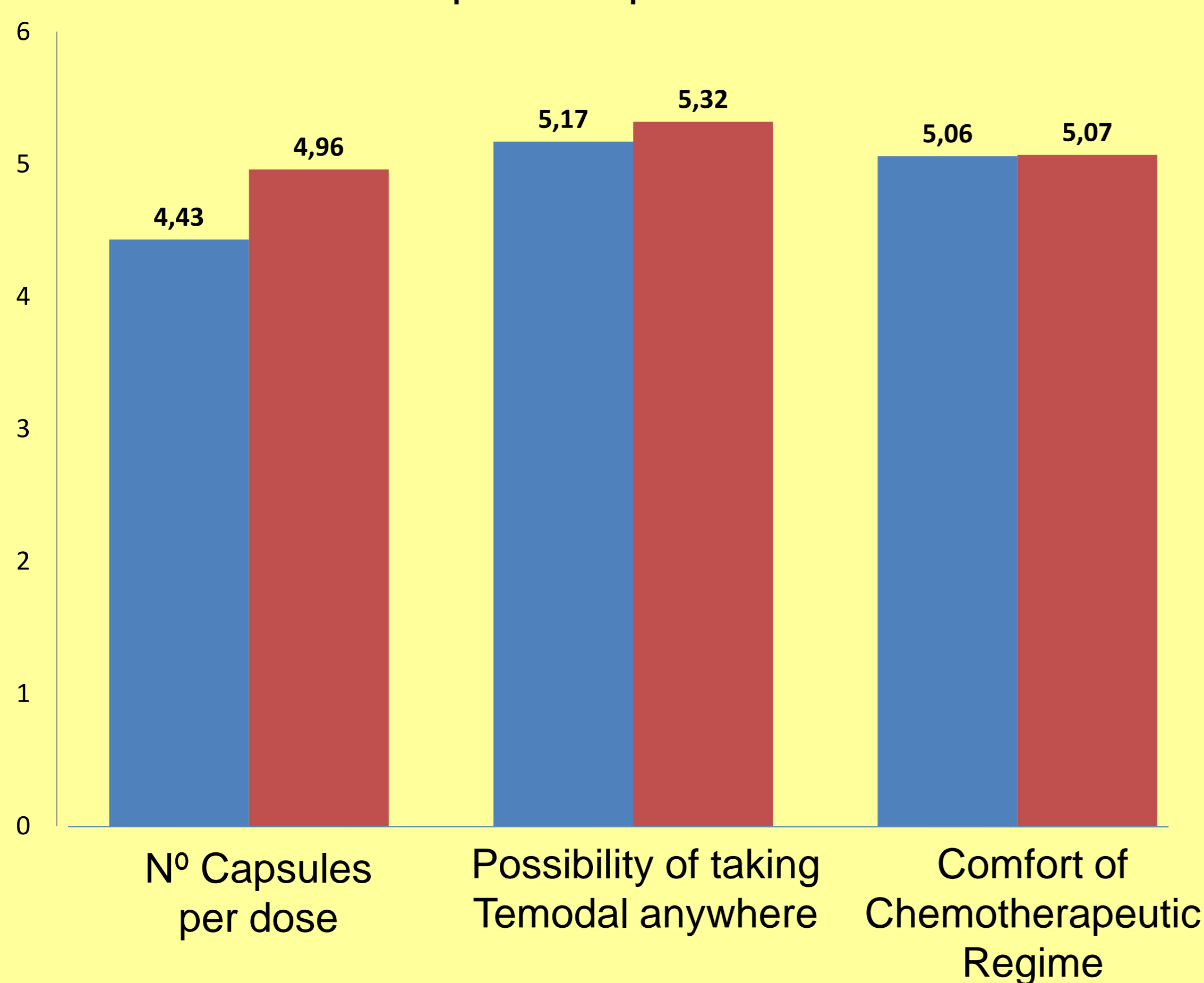
1. Ventura Cerdá JM, Casado Gómez MA, Morales González JM et al. Características psicométricas de la escala de satisfacción con el tratamiento antirretroviral (ESTAR): estudio ARPAS (I). Farm Hosp 2006; 31: 331-339.



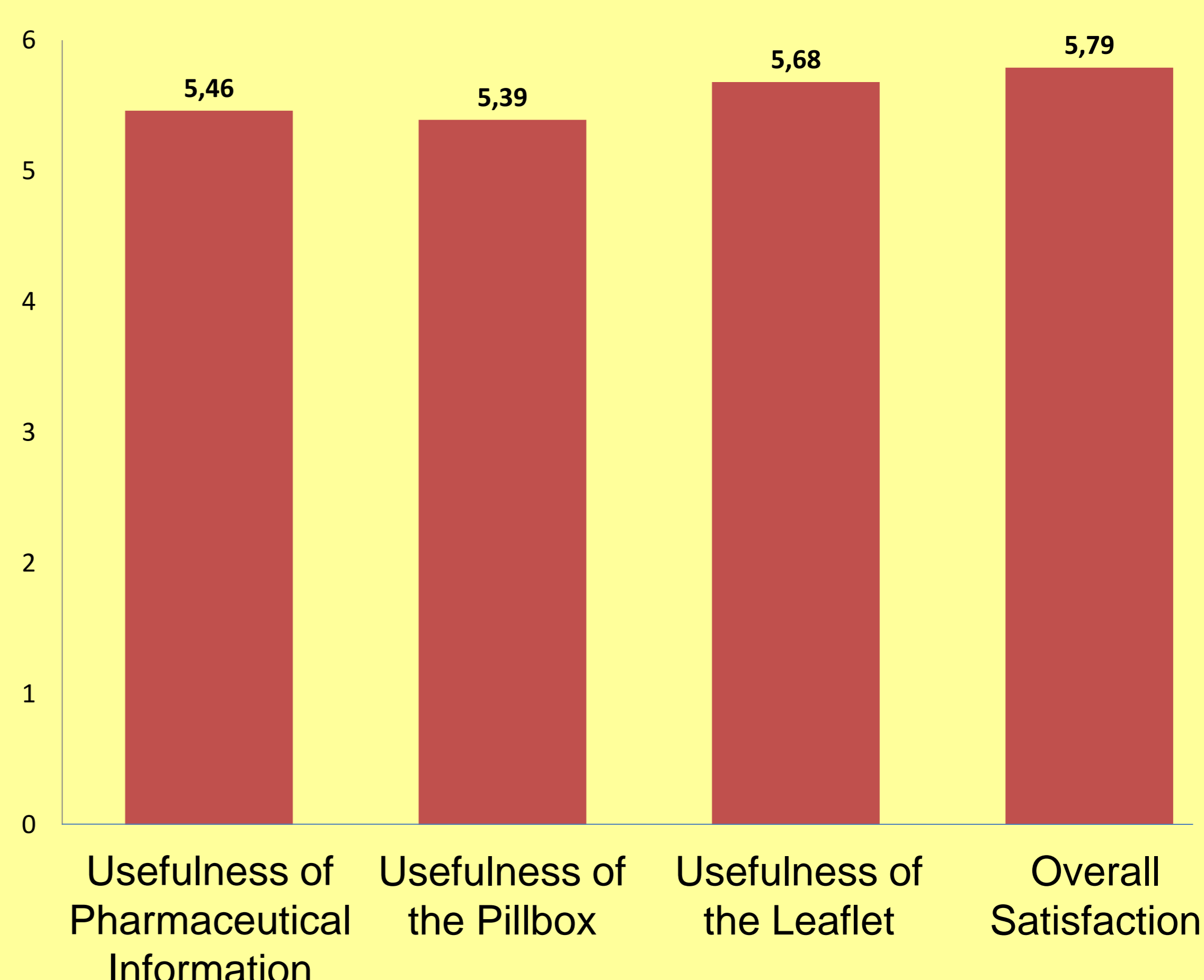
## RESULTS

35 patients completed the first questionnaire (50,69±13,38 years old; 77,14% were treated with at least 3 capsules per dose) and 28 of them filled in the second questionnaire (50,32 ± 12,45 years old; 75,00% with ≥ 3 capsules per dose). 88,57% of patients that answered the first questionnaire and 85,71% of patients that completed the second one, took their capsules in cycles of 5 days followed by 23 days without treatment.

- Satisfaction pre and post intervention with:



- Post-intervention results:



● Pre-intervention ● Post-intervention

## DISCUSSION

- Results showed that patient's satisfaction increased after pharmaceutical intervention, and it was mainly related to the n° of capsules per dose and the possibility of taking temozolomide anywhere.
- The information provided by hospital pharmacists, the use of pillboxes and leaflets were perceived as very useful by patients. Overall satisfaction was reported as excellent as well.

## CONCLUSION

- In this study, information provided by hospital pharmacists and the use of pillboxes improved satisfaction in patients treated with temozolomide.