

WHEN MEDICAL QUALITY MEETS EFFICIENCY

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BACKGROUND AND IMPORTANCE

- ▶ The ambulatory children's clinic at Carmel medical center provides various medical services including treatment for children with autoimmune fever diseases. One such treatment involves the administration of Canakinumab (ILARIS), a monoclonal antibody drug
- ▶ ILARIS is administered individually during morning clinic hours, often in conjunction with other treatments
- ▶ The dosage is calculated individually on a per-patient basis and any remaining drug is discarded, leading to a potential waste.



AIM AND OBJECTIVES

Our initiative aims to establish a specialized multidisciplinary service for ILARIS patients, designed to enhance the quality, safety and cost-effectiveness of treatment.



MATERIAL AND METHODS

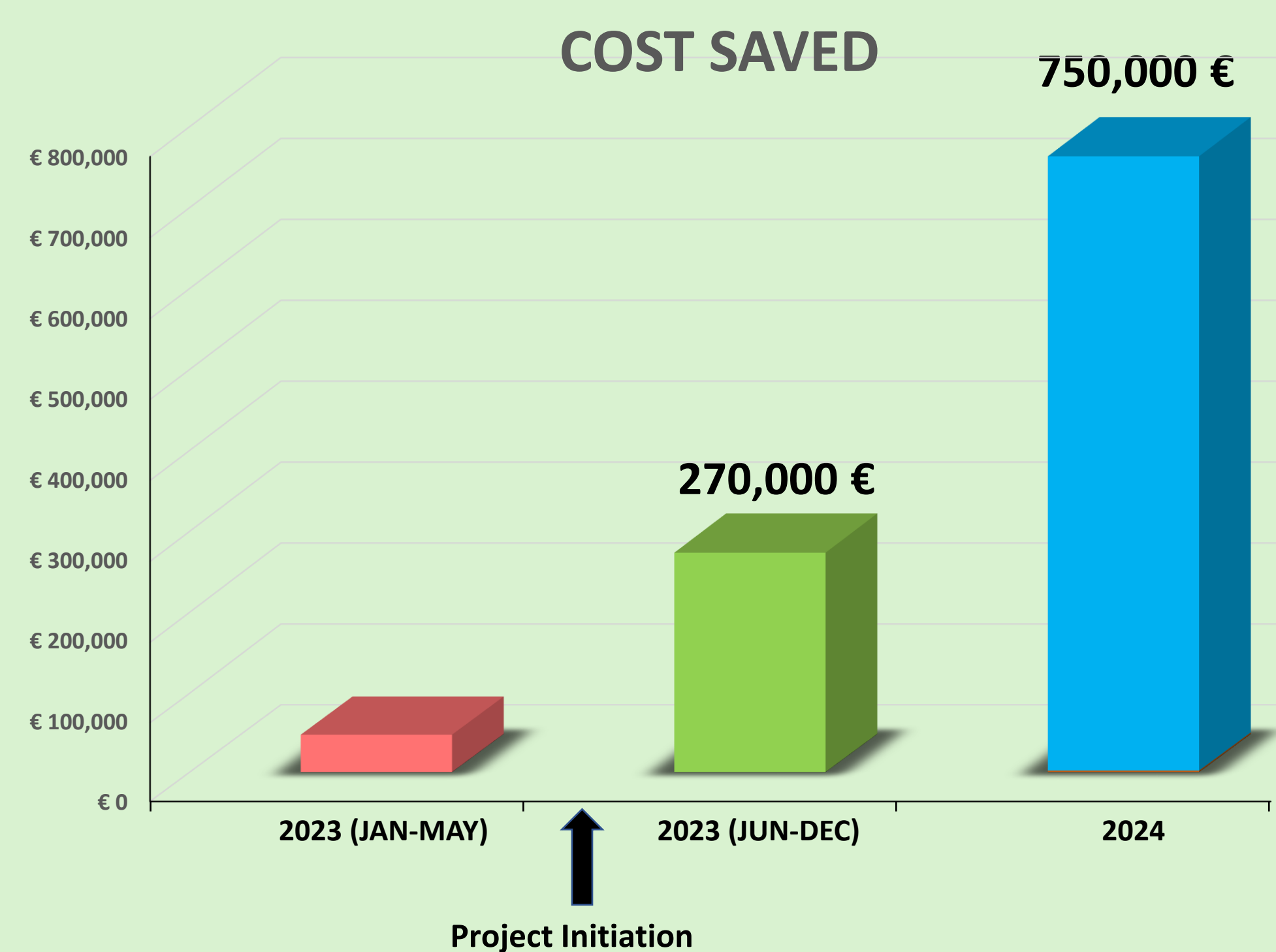
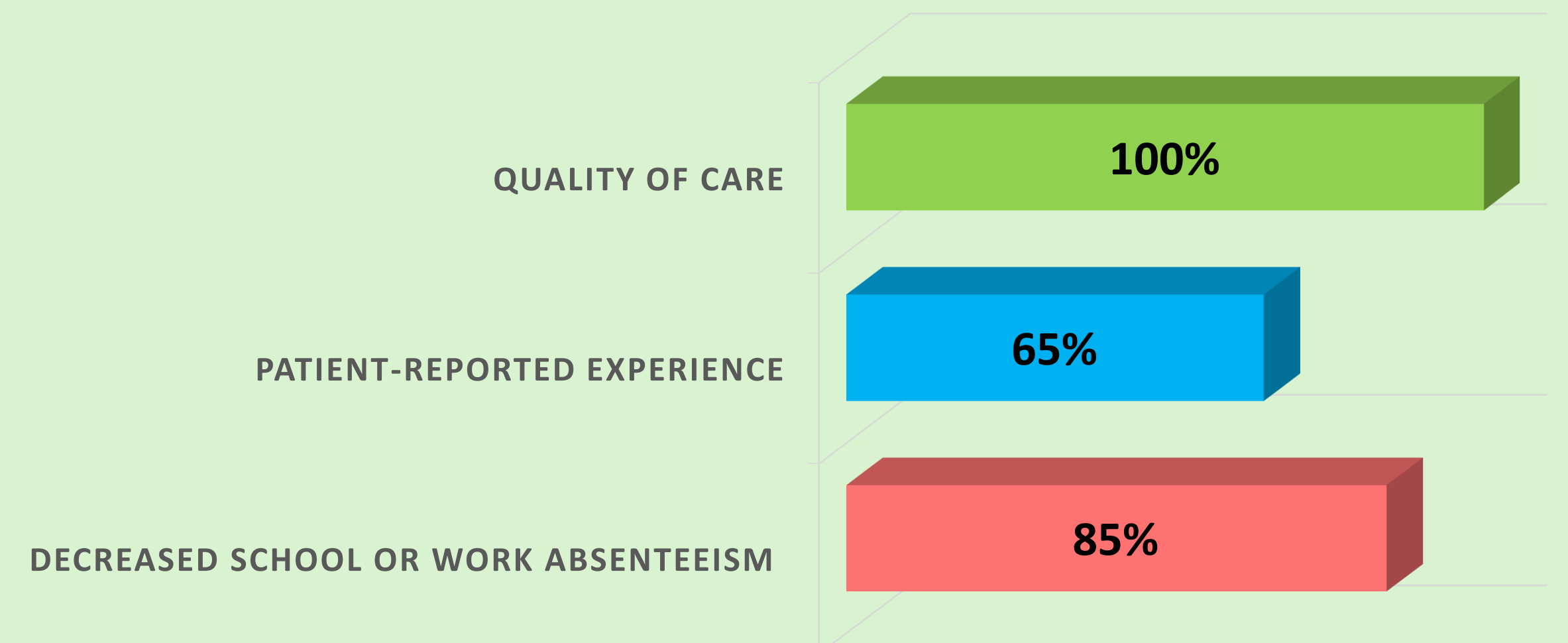
1. The current medical service was analyzed, including all needs, goals, infrastructures and obstacles.
2. The pharmacy developed a multidisciplinary plan addressing all goals and challenges. A specific time scheduled was proposed for ILARIS treatments exclusively, involving a dedicated rheumatologist, a trained nursing team and a pharmacist responsible for the dispensing process.
3. Assessment tools including financial models and patient questionnaires were established prior to implementation



RESULTS

- ▶ Patient received services from a dedicated rheumatologist and a familiar trained nursing staff.
- ▶ From the pharmacy perspective the intervention resulted in a reduction in prescription, preparation and administration errors. Additionally, a significant economic decrease in drug waste costs was observed, saving over **1,000,000 €** within 19 months.
- ▶ Questionnaires collected show increase in patients and family satisfaction.
- ▶ Patients did not experience school or work absenteeism due to their condition.
- ▶ The families of patients developed strong community bonds

POST - INTERVENTION FEEDBACK OUTCOMES



CONCLUSION AND RELEVANCE

The development of a unique treatment plan for ILARIS patients, incorporating collaboration between nursing, pharmacy and medical teams led to a significant improvement in the quality of care, economic efficiency and patient satisfaction. This initiative successfully achieved its objectives within a short time frame and can be adapted to a variety of medical services in diverse clinical and hospital settings worldwide.

