

## Trabalhos Científicos

**Título:** Pain Relief In Children: A Real-World Evidence (Rwe) Study On Parents' /caregivers' And Pediatricians' Perception Of Tylenol® (Paracetamol) Effectiveness

**Autores:** MARIANA GIORDANO CORDONI (KENVUE), JULIANA MIOTTO (KENVUE), LAIS NORBERTO (KENVUE), CHRISTER SPEGEL (KENVUE), JULIANA MOSCARDI (KENVUE), KARINA BARROS (KENVUE)

**Resumo:** Introdução: Pain is one of the most common complaints in pediatric medical appointments and can directly impact a child's long-term well-being and development. Managing pain is a concern for parents and pediatricians. Paracetamol is the most prescribed over-the-counter (OTC) drug in the world and Tylenol® is a widely used pediatric analgesic, due to its established safety and efficacy. Real-world evidence (RWE) can help to understand parents'/caregivers' and pediatricians' perception of paracetamol use and inform clinical practices.<br>Objetivos: This study assessed effectiveness of Tylenol® for pain relief in children aged 0 to 12 years, according to perceptions of parents/caregivers and pediatricians. Perceptions of quality of life, children's comfort, impact on family's routine, and palatability were also assessed.<br>Metodologia: An online questionnaire was distributed to subjects across Brazil's five regions. Parents/caregivers reported their experience from at home Tylenol® usage in the past 3 months, while pediatricians evaluated prescriptions made in the same period. Sample sizes of 1,200 parents/caregivers and 200 pediatricians were chosen considering an expected proportion of 50% ( $p = 0.5$ ) with a 95% confidence interval, providing margins of error of  $\pm 2.8\%$  for parents'/caregivers' responses and  $\pm 6.9\%$  for physicians. Descriptive analysis utilized percentages for each data point, and the multiplicity index was calculated to indicate the average number of responses for multiple-choice questions.<br>Resultados: The most common types of pain parents/caregivers treated with Tylenol® were: pains associated with cold/flu (81%), headaches (79%), sore throats (74%), earaches (72%), and body aches (71%). There was high agreement (96%) that Tylenol is easy to dose and administer with overall likeability of 85%. Among parents/caregivers, 92% perceived the medication to be highly effective for pain, and 71% reported choosing Tylenol due to fast pain relief, of which 52% reported immediate relief. Pediatricians' main reasons to prescribe Tylenol® were perceived safety (85%) and ease of dosing and administration (75%), with 89% indicating onset of action starting in 15 minutes. They agree Tylenol's palatability helps pediatric patients adhere to treatment (94%). Both parents/caregivers and pediatricians perceived Tylenol to have a positive impact on quality of life, particularly in sleep (76% and 80%), well-being of the child (86% and 84%), as well as improvement in family routine (80 and 84%).<br>Conclusão: Access to analgesics, proper prescribing practices, parental trust, and empowerment play important roles in acute pediatric pain management, enhancing both children's health and family quality of life. Tylenol® is widely accepted by parents/caregivers and pediatricians for its perceived effectiveness, safety, and ability to provide comfort. These real-world data support Tylenol's role as first-line OTC choice, with potential implications for future scientific and educational communications.