## Food allergy education and management in schools: A scoping review on current practices & gaps

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### INTRODUCTION

- Food allergy (FA) affects an estimated 7-8% of children globally
- Pre-pandemic, 20% of severe FA reactions occurred in schools
- Management practices of FA, availability of epinephrine autoinjectors (EAI) and emergency anaphylaxis plan (EAP) varied in school settings

### AIM

• To conduct a scoping review on FA and anaphylaxis knowledge and management amongst teachers and school staff, including knowledge differences posteducational intervention

### METHOD

- OVID-Medline, PsycInfo and Scopus databases were searched for English and French studies published  $\geq 2006$
- Primary outcomes: teacher and school staff previous experience, training and schools' FA-related policies/guidelines



- 37-59% of teachers and school staff had prior FA and/or anaphylaxis training
- 51-88% of teachers and school staff previously worked with a student with FA
- Most studies did not provide information on EAI (6/8 studies) or EAP (7/8 studies) availability



### **Knowledge post-educational intervention**

- EAI use and symptom recognition (4/8 studies; 50.0%)
- (1/8 studies; 12.5%)
- (3/8 studies; 37.5%)
- Education sessions were useful (2/8 studies; 25.0%)

### **CONCLUSION & NEXT STEPS**

- availability is variable
- efficacy and confidence



### • Better knowledge of FA management, attitudes,

# • Sustained knowledge 3-12 months after the session

### • Higher reported self-efficacy and confidence

• FA-related experience, training, EAI and EAP

• Training increased FA knowledge and self-

• Annual, standardized FA and anaphylaxis training may be beneficial to optimize FA management

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