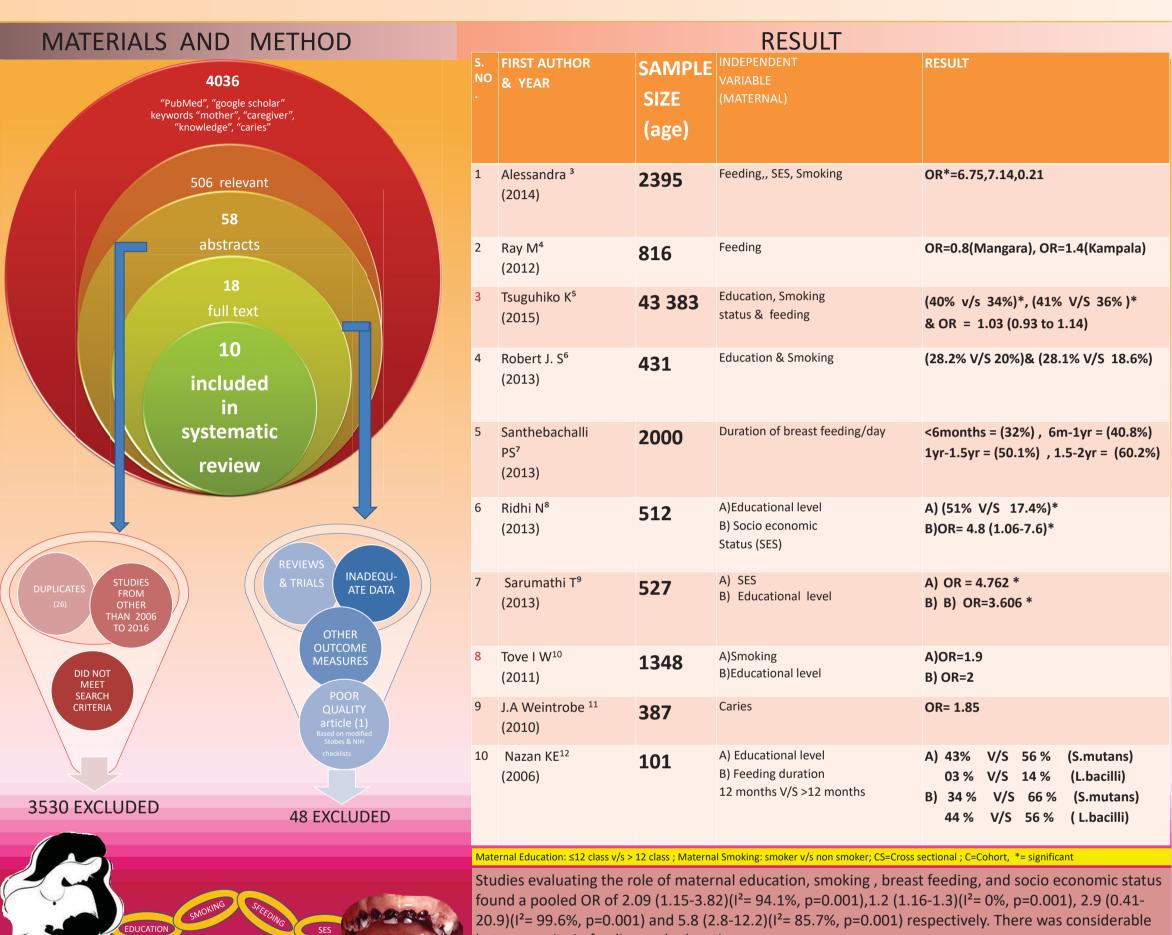
# MATERNAL OUTCOMES & EARLY CHILDHOOD CARIES – A SYSTEMATIC REVIEW INTRODUCTION

Early childhood caries (ECC) is a serious oral health problem that afflicts infants and toddlers.<sup>1,2</sup> The aetiology of ECC is complex and involves the interaction of social, behavioural, and microbiological factors which are directly influenced by parental factors.

Numerous studies have correlated maternal factors and ECC. The objective of this review is to assess the maternal predictors which can be targeted to prevent ECC.

## AIM AND OBJECTIVES

1. To assess the effect of maternal factors on early childhood caries. 2. To assess the evidences of association between maternal factors and early childhood caries.



MATERNAL FACTORS

LIMITATION: Many studies could not be included because of pooled or incomplete results.

## DISCUSSION

In this review, cross sectional studies from 2006 to 2016 were included. Studies have highlighted the propinquity between ECC and maternal factors, focussing on limited maternal features, i.e. maternal education, smoking habits, breast feeding, and socioeconomic status, which influence ECC. No regression studies were present. A few of cohort studies were intervention-based studies and hence excluded. The evidence that maternal education is inversely related to ECC is very strong. Maternal smoking is directly proportional to ECC, while the relationship with socioeconomic status is inconclusive. Breastfeeding has shown mixed results, with the data from the most heavily weighted study showing an inverse relationship.

heterogeneity in feeding and education.

### **CONCLUSION & DENTAL PUBLIC HEALTH SIGNIFICANCE:**

This review indicates a great effect of maternal factors on early childhood caries, which, if monitored, could bring down the ECC prevalence. Prevention of ECC requires a holistic approach targeting maternal predictors (mother's education, lifestyle, and nursing practices), the child, and the environment.

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