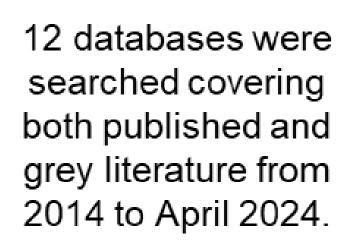
EXPLORING GENETIC MODIFIERS INFLUENCING ADULT EATING BEHAVIOR

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A SCOPING REVIEW

METHOD

A protocol was developed and registered at OSF.



3,177 studies were identified and screened. 64 studies met the inclusion criteria and were synthesized.

OBJECTIVE

To comprehensively map the existing evidence on genetic modifiers associated with adult eating behavior.

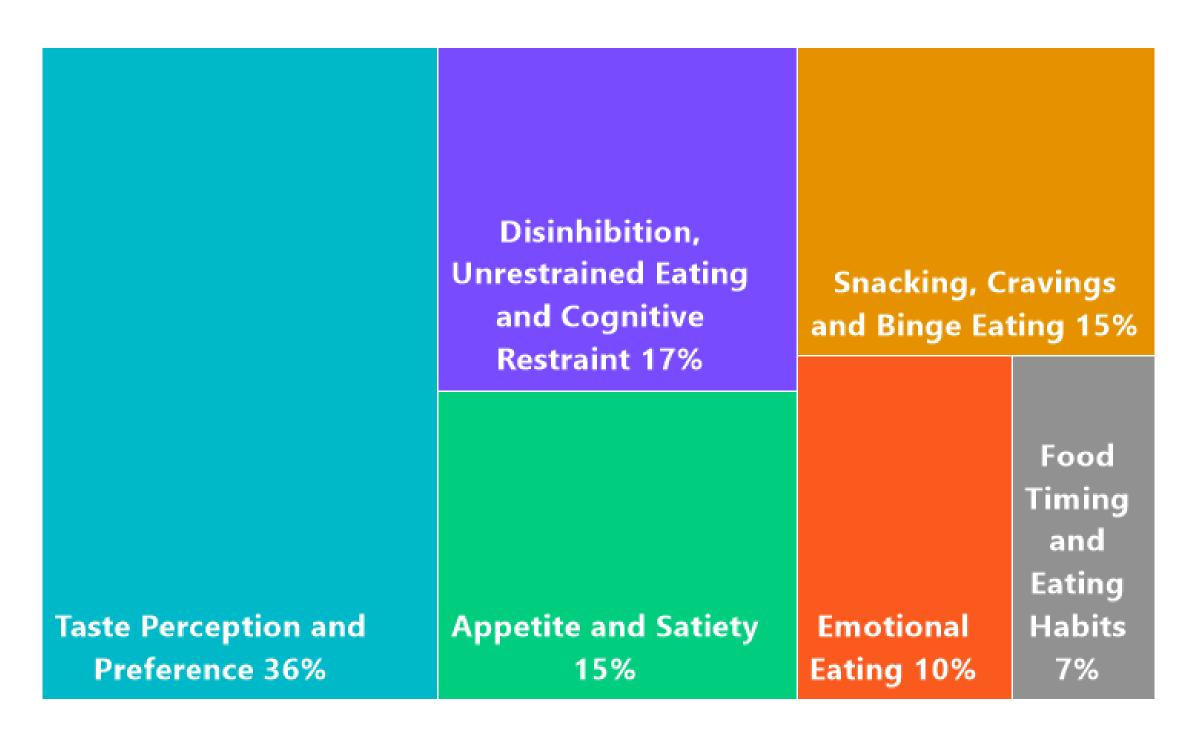
FOCI OF STUDIES

differences development rs1726866 investigation rs9939609 disorders lower influence significantly increased 2014 larger sectional 2021 healthy associated small traits ca6 interventions hunger appetite sweet genotype self fto grs overweight populations bitter genetic emotional satiety reported clock scores risk cravings study obesity weight restraint preferences loss direct variation related tas2r38 adults dietary diet rs1761667 cd36 mc4r higher affect cd36 mc4r higher affect sensitivity polymorphisms relationship personalized

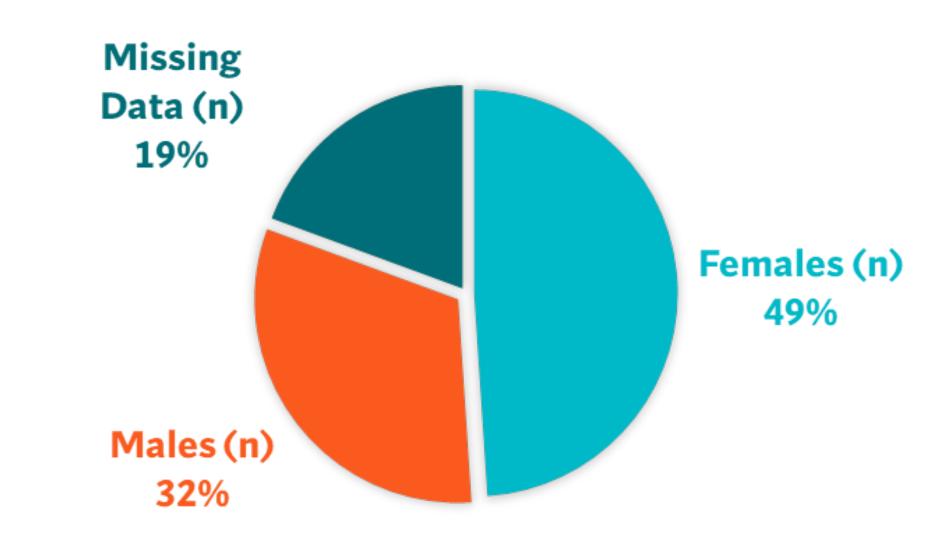
FINDINGS

- Key eating behavior themes identified.
- Gaps in the literature, underrepresentation of older age groups and male participants.
- Key genes were identified that significantly associated with adult eating patterns and preferences.

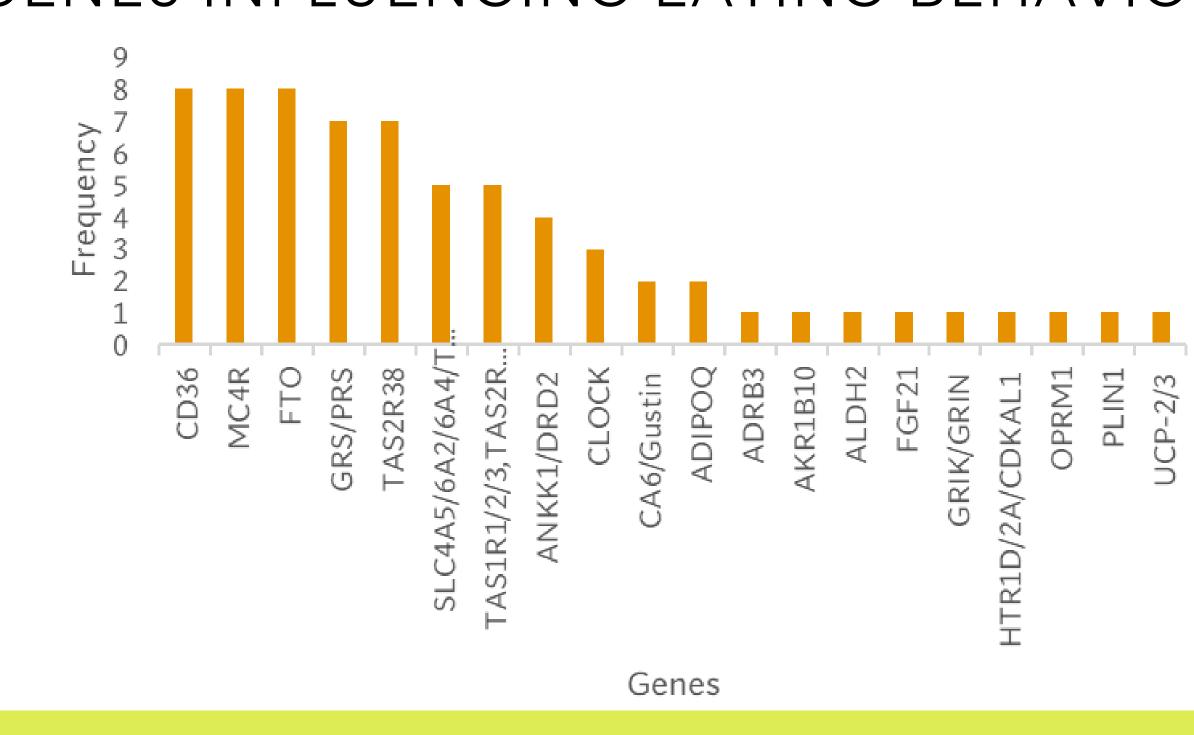
MAIN THEMES OF STUDIES



GENDER DISTRIBUTION OF STUDIES



GENES INFLUENCING EATING BEHAVIORS



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CONCLUSION

The findings provide valuable insights into the genetic underpinning of eating behaviors, highlighting research gaps and the need for future studies to explore these effects on adult eating patterns and preferences.