

# Hormonal influence on cluster headache severity in females

1114551

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## SUMMARY

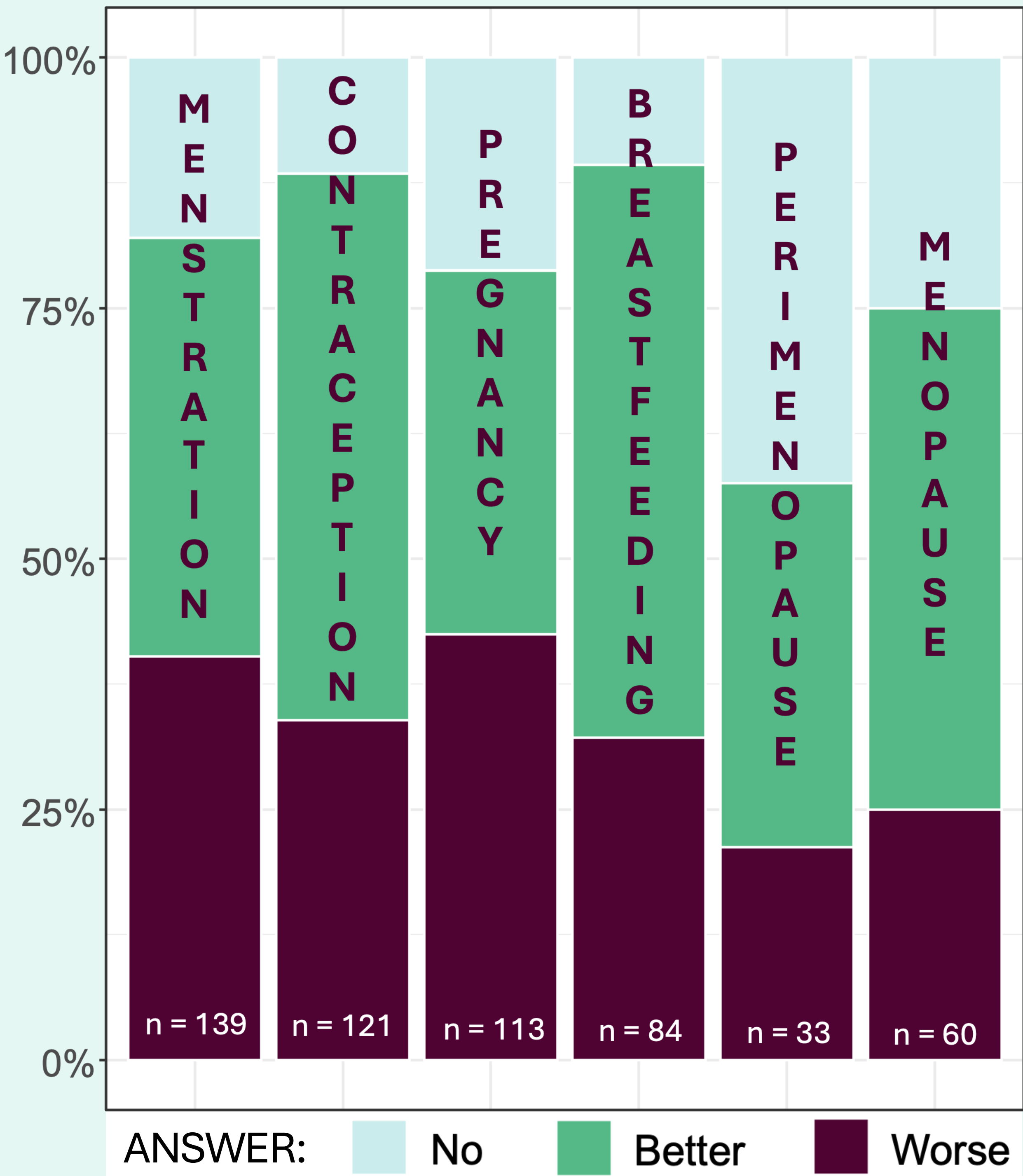
- Investigating a possible link between hormonal changes and attack pain, occurrence

## INTRODUCTION

- Women are more severely affected and report different clinical characteristics compared to men different pattern of cluster headache onset
- Difference potentially due to hormonal influence (ex: puberty, menopause):
  - Possible implications of steroid hormones?

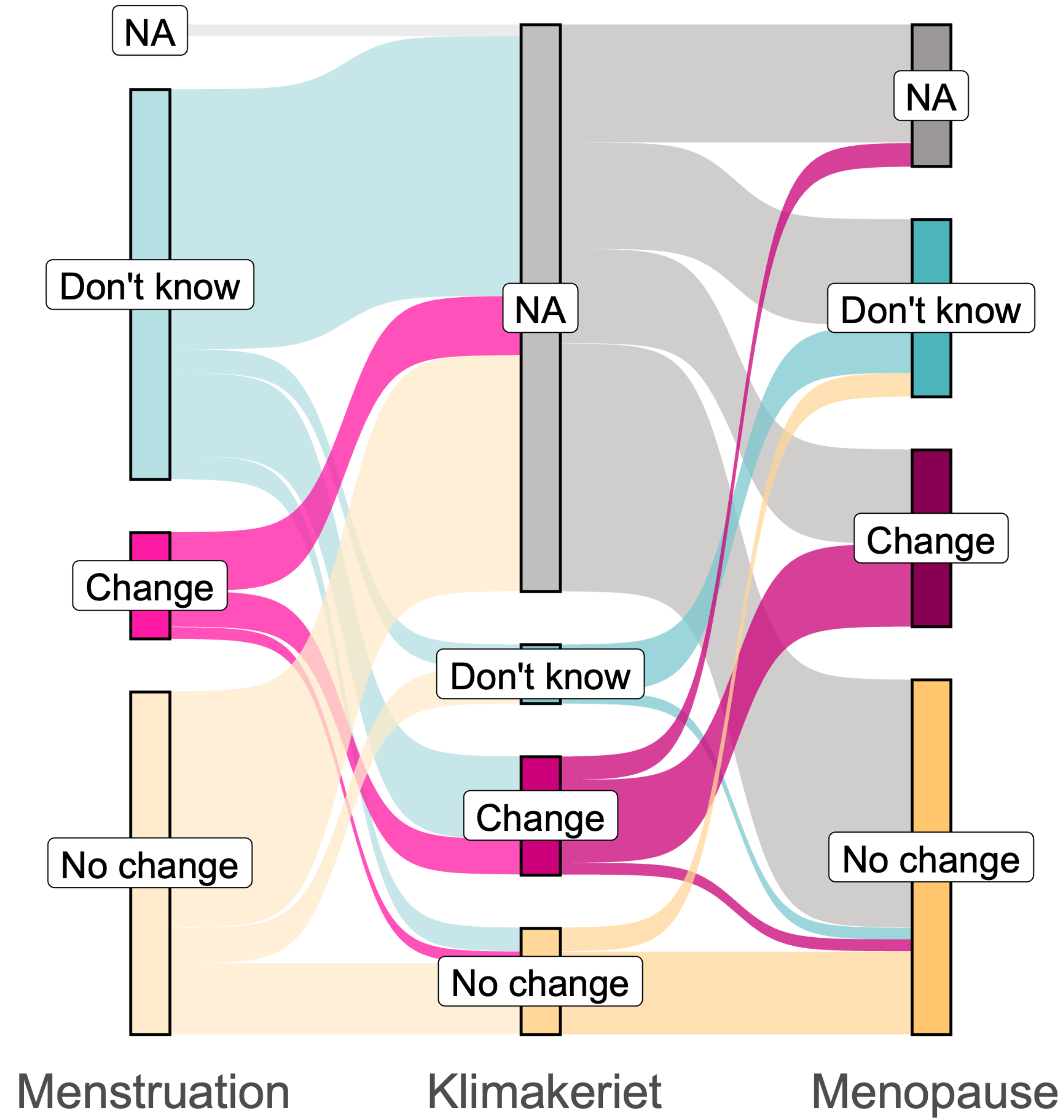
## METHOD

- A digital survey using Redcap was sent out to 274 Swedish female participants with a validated cluster headache diagnosis. Number of participants : 140



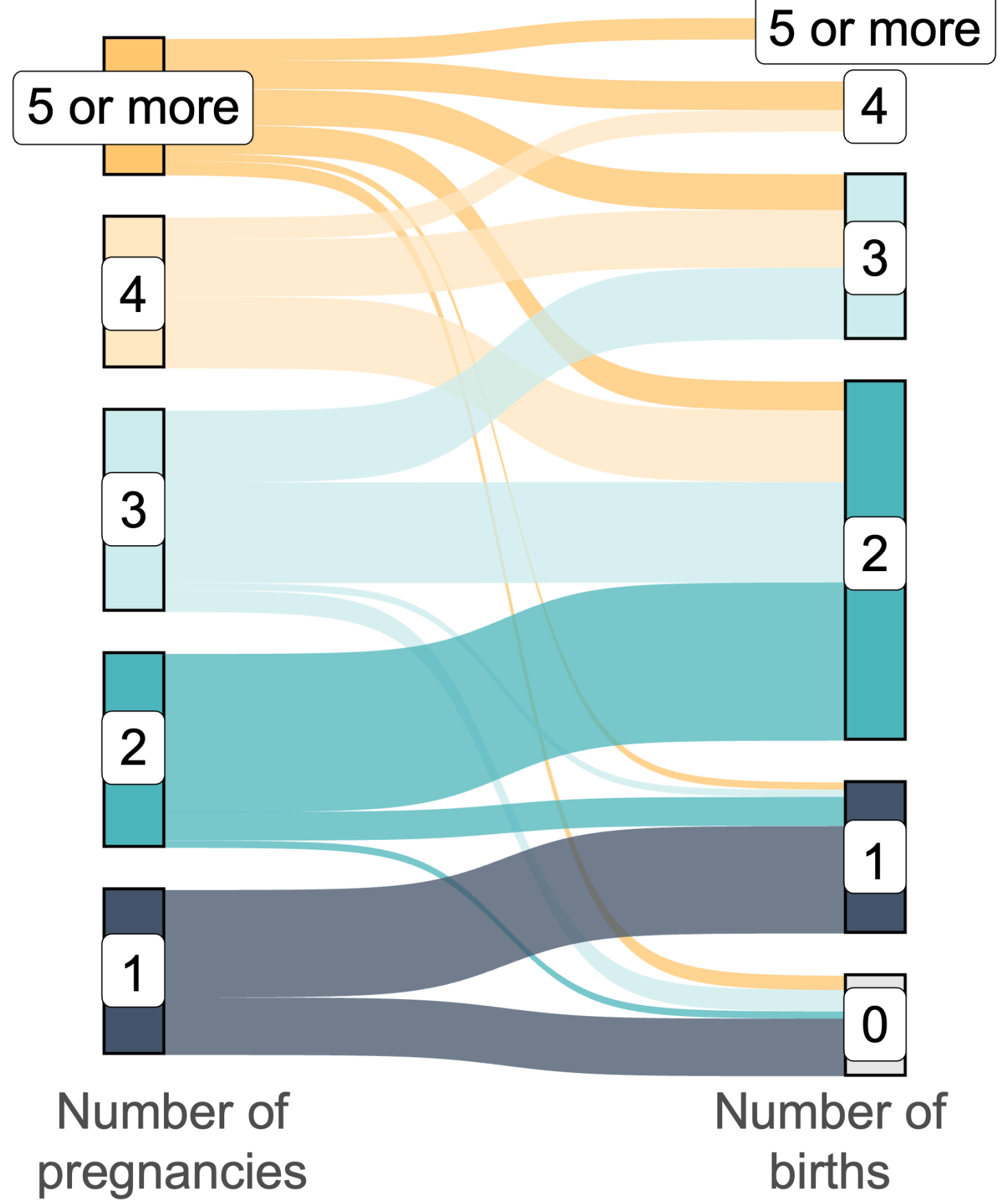
## RESULTS

→ Flow chart representing participants' answer to "Did you notice any changes in your attacks?" through different hormonal cycles

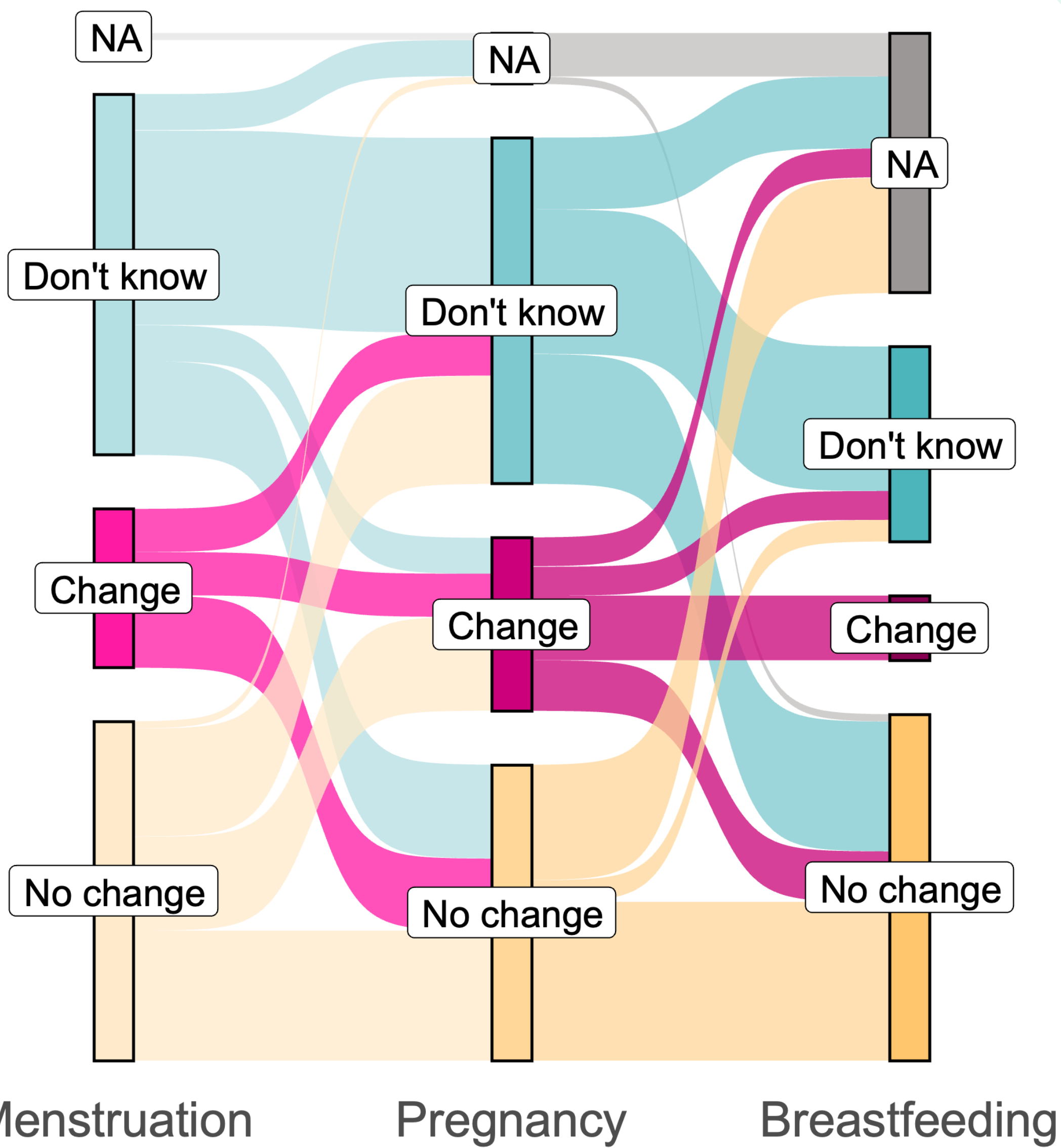


→ Participants that have had menopause (n = 72)

→ Attack changes through pregnancy and breastfeeding



→ Participants that have experienced pregnancy (n = 120)



Operation	Sterilization	n
Ovariectomy and/or Hysterectomy	Yes	6
No or NA	Yes	7
Ovariectomy and/or Hysterectomy	No	13
No	No	66
Ovariectomy and/or Hysterectomy	NA	1
No	NA	1

→ Participants that have not menstruated in the last year (n = 94), 30% of sterilization



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