

Hormonal influence on cluster headache severity in females

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SUMMARY

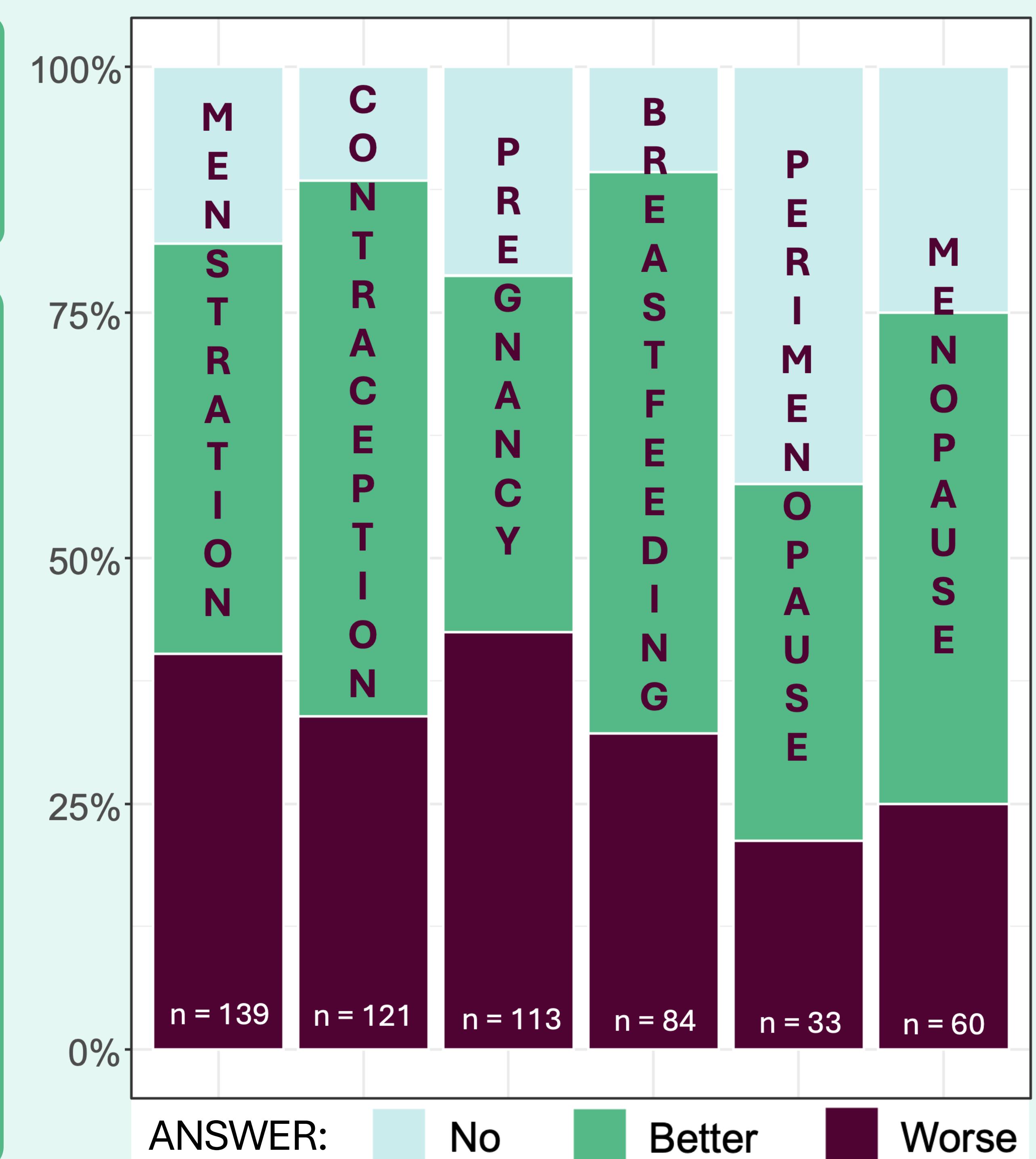
- Investigating a possible link between hormonal changes and attack pain, occurrence

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?

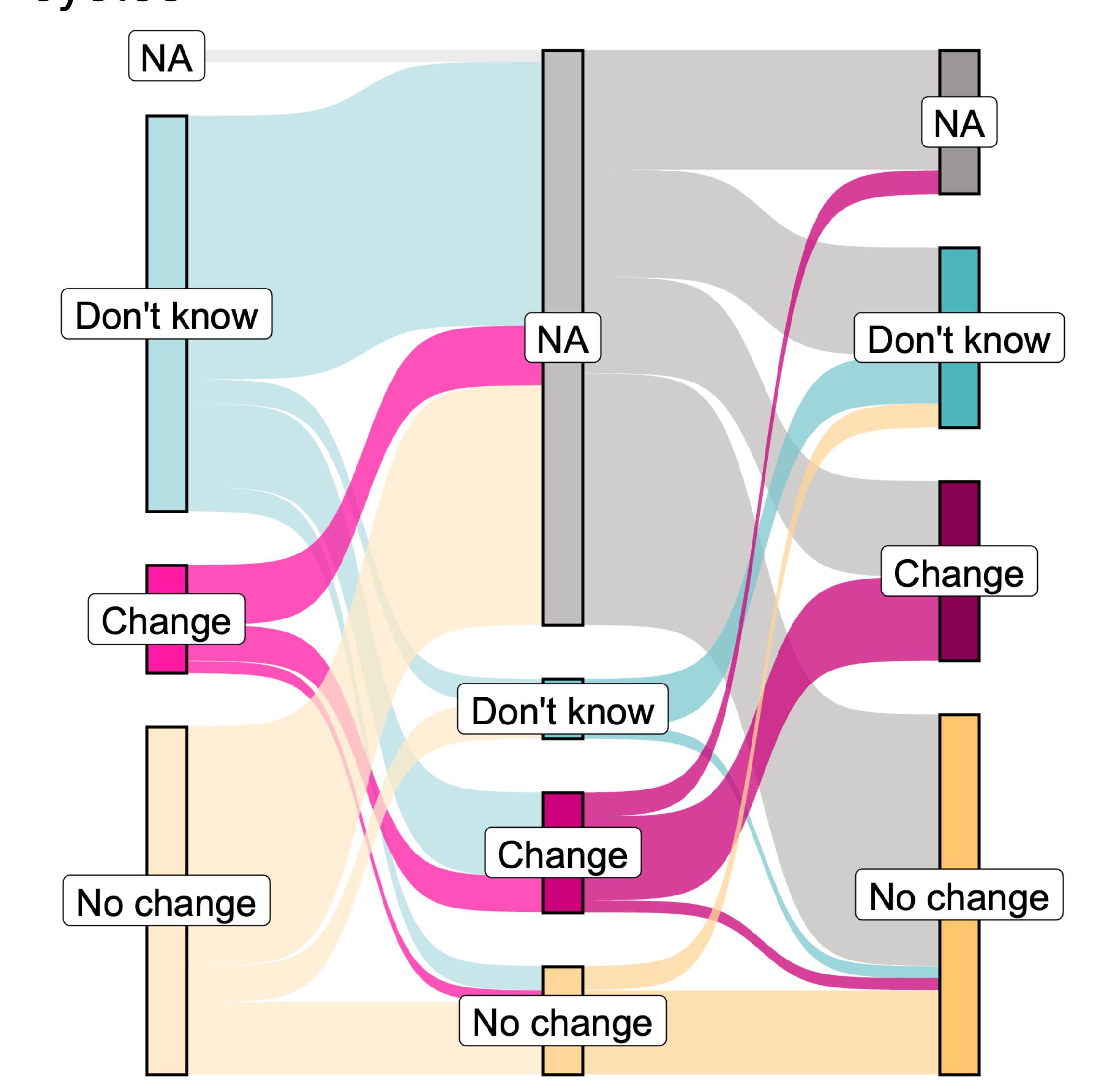
METHOD

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



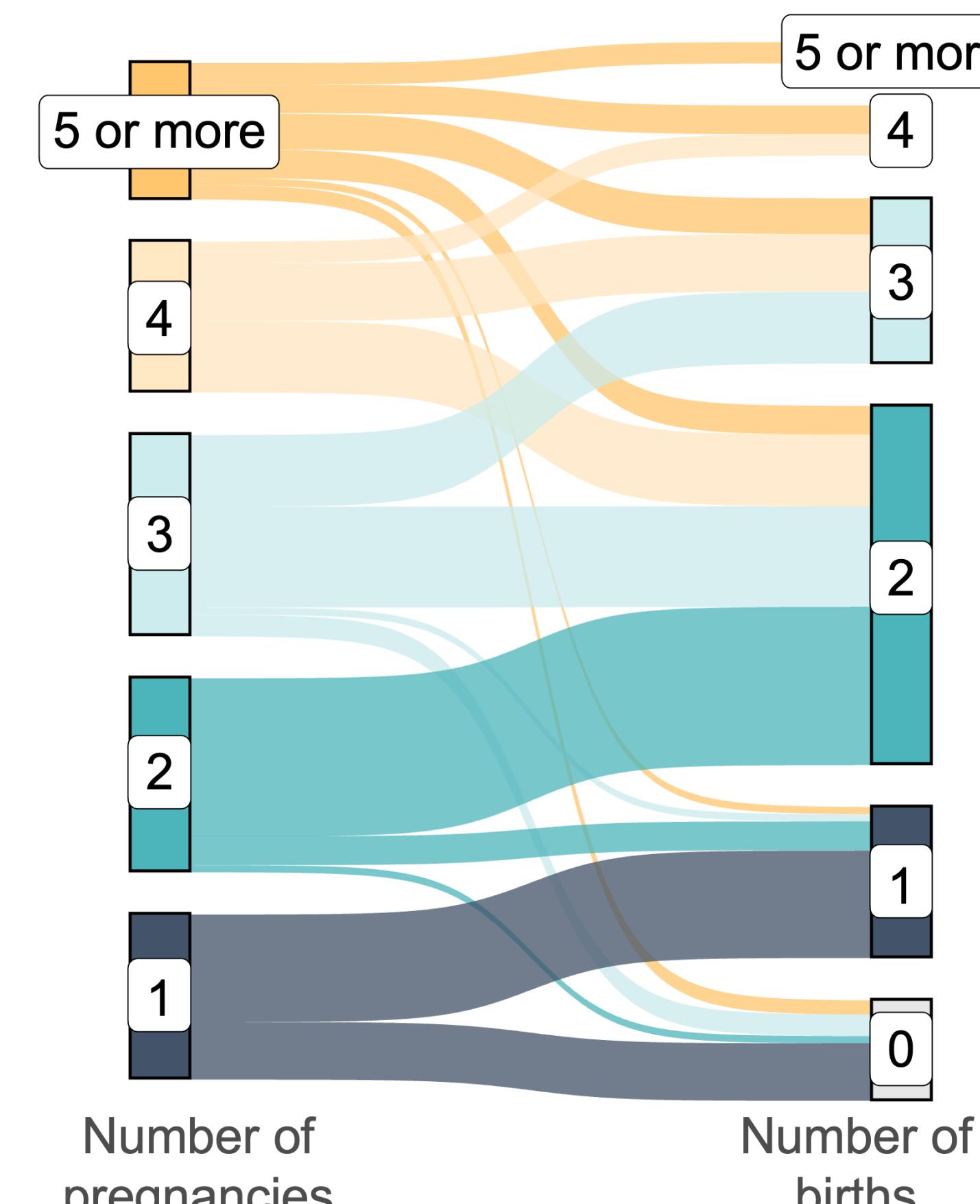
RESULTS

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



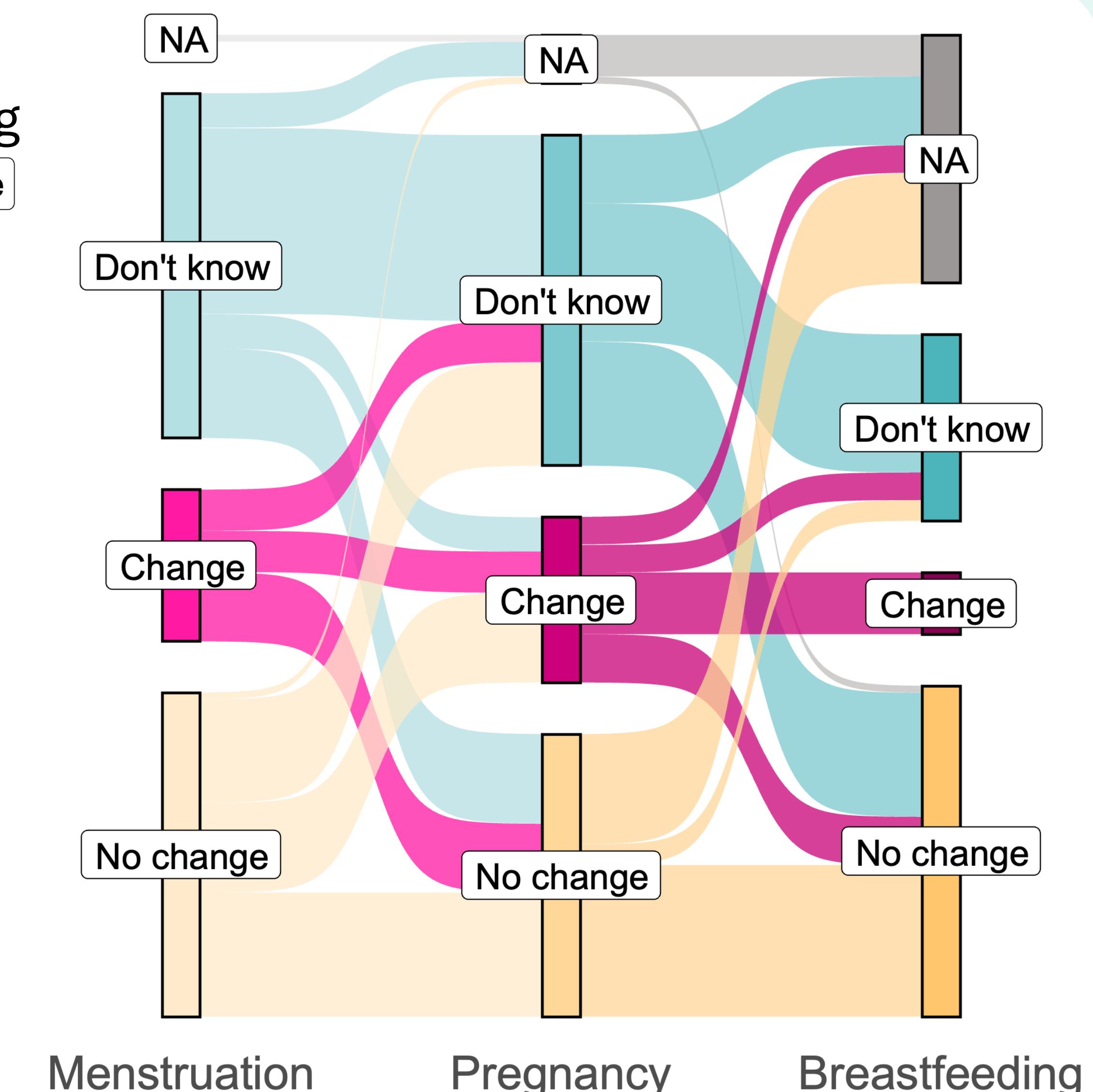
→ Participants that have had menopause (n = 72)

→ 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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