**Figure 1. STROBE Flow Diagram**

Reported COVID-19 Vaccination

 1st dose mensesb: n= 7,401

 2nd dose mensesc: n= 5,288

 Post-exposure mensesd: n= 5,127

Reported unvaccinated for COVID-19

 Notional 1st dose menses: n= 2,154

 Notional 2nd dose menses: n= 2,134

 Notional post-exposure menses: n= 2,106

## Analysis

Eligible (n= 42,095)

Not included (n= 32,540)

  No logged cycle data (n= 332)

  < 3 pre-vaccination cycles (n= 10,871)

  No vaccination cycle data (n= 1,061)

  Pre-vaccination menses length > 10 days (n= 601)

  Non-consecutive cycles (n = 2,675)

  < 3 cycles post-pregnancy (n= 1,909)

  < 3 cycles post-hormonal contraception (n= 2,982)

  Menopausal (n= 30)

  Outside of age range (n= 2)

  Average pre-vaccination cycle length < 24 or > 38 days (n= 1,659)

  > 1 missing day of bleeding quantity data for 3 pre-vaccination menses or for post-vaccination outcome menses (n= 10,325)

  Pre-vaccination menses length of 9-10 days (n= 93)a

## Inclusion

Included in dataset (n= 9,555)

## Identification

a Individuals with pre-vaccination menses length of 9-10 days were excluded from all primary analyses, but later included as a sensitivity analysis

b 1st dose menses indicates the menses during or immediately following receipt of the 1st COVID-19 vaccine dose

c 2nd dose menses indicates the menses during or immediately following receipt of the 2nd COVID-19 vaccine dose

d Post-exposure menses indicates the menses of the cycle following the 2nd dose menses