

# Trends in Pregnancy-Related Strokes: The CONCEPTION Study



Pregnancy-related stroke has potentially devastating effects, yet studies examining its incidence by type are lacking



What are the incidence rates and recent temporal trends for pregnancy-related strokes in France?

CONCEPTION: Prospective cohort of French women who gave birth from 2010–2018



N = 6,297,698

No history of stroke

Key outcomes:

- Stroke incidence by type across pregnancy periods
- Stroke incidence rate ratio (IRR): Pregnant vs nonpregnant women

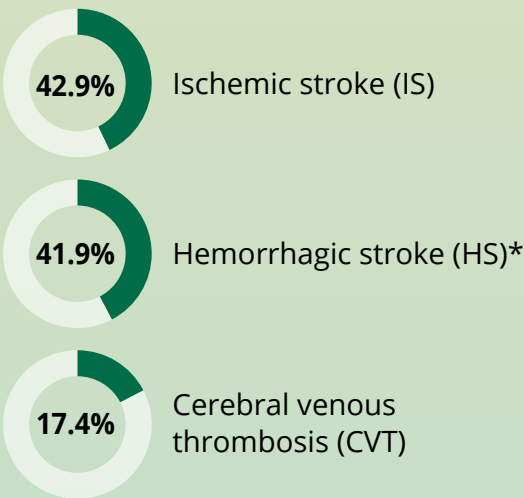
1,261 women (24.0 per 100,000 person-years) experienced a first-ever stroke during:

Antepartum

Peripartum

First 6 weeks of postpartum

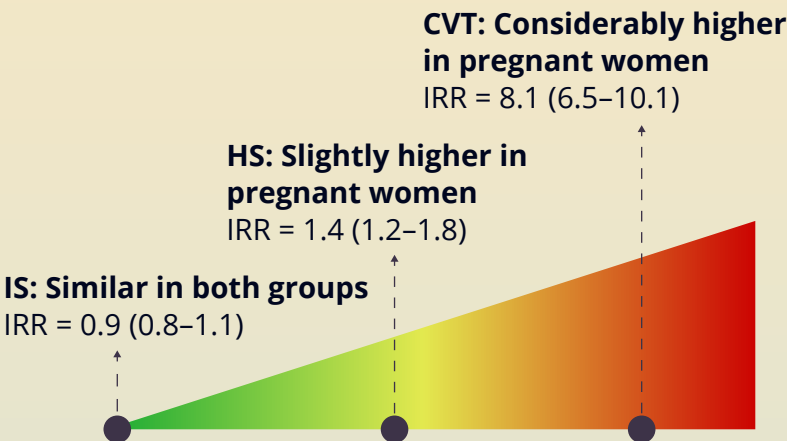
Proportion of strokes by type



\*Similar proportion of intracerebral and subarachnoid hemorrhages

Stroke IRR

Pregnant vs nonpregnant women



Stroke incidence trends (2010–2018)  
IS and HS >> Increased incidence    CVT >> Stable incidence

The risk of CVT is more than eight-fold higher in pregnant women than in nonpregnant women, with incidence of IS and HS increasing over time similar to trends seen in the general (nonpregnant) population