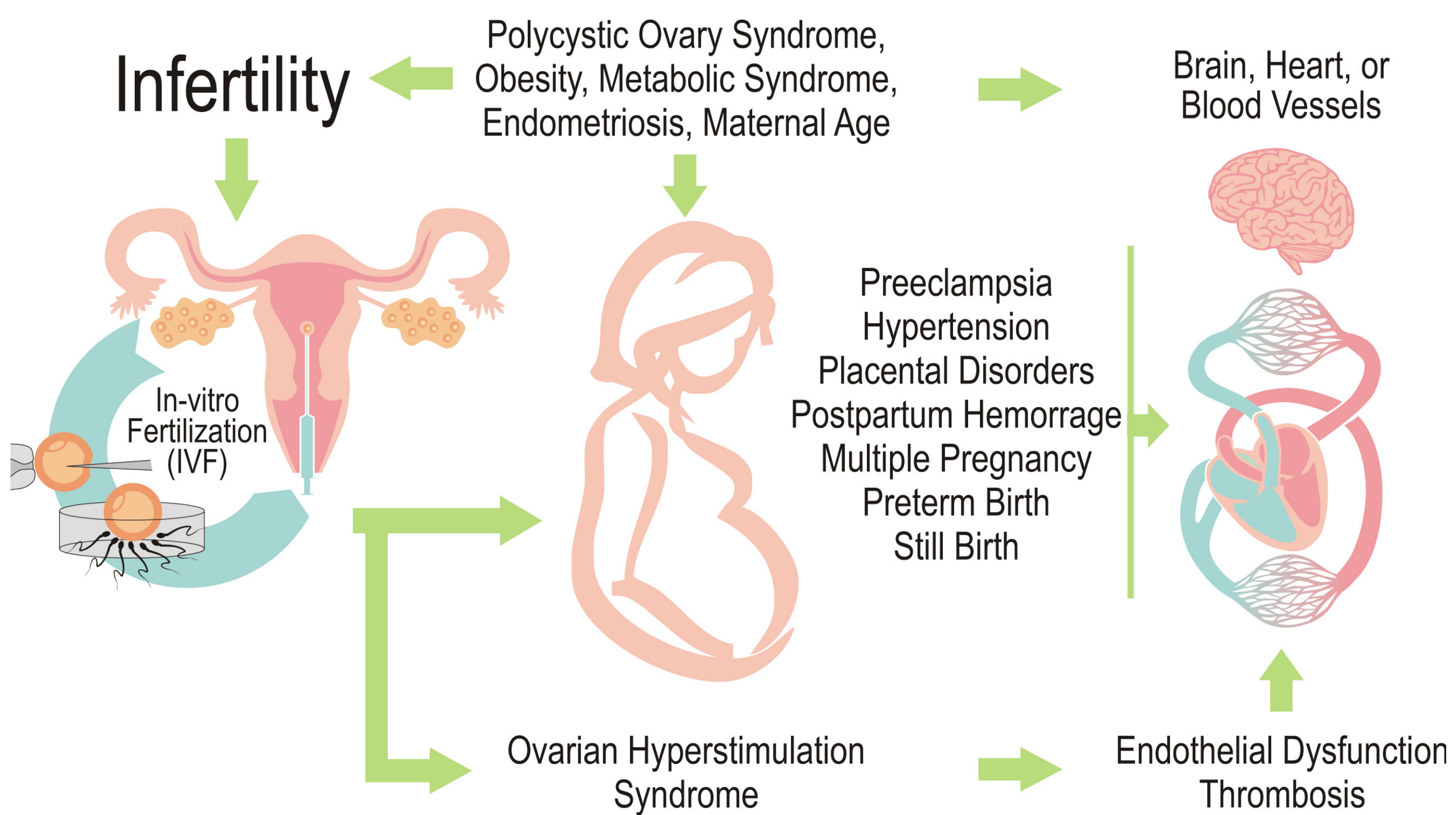
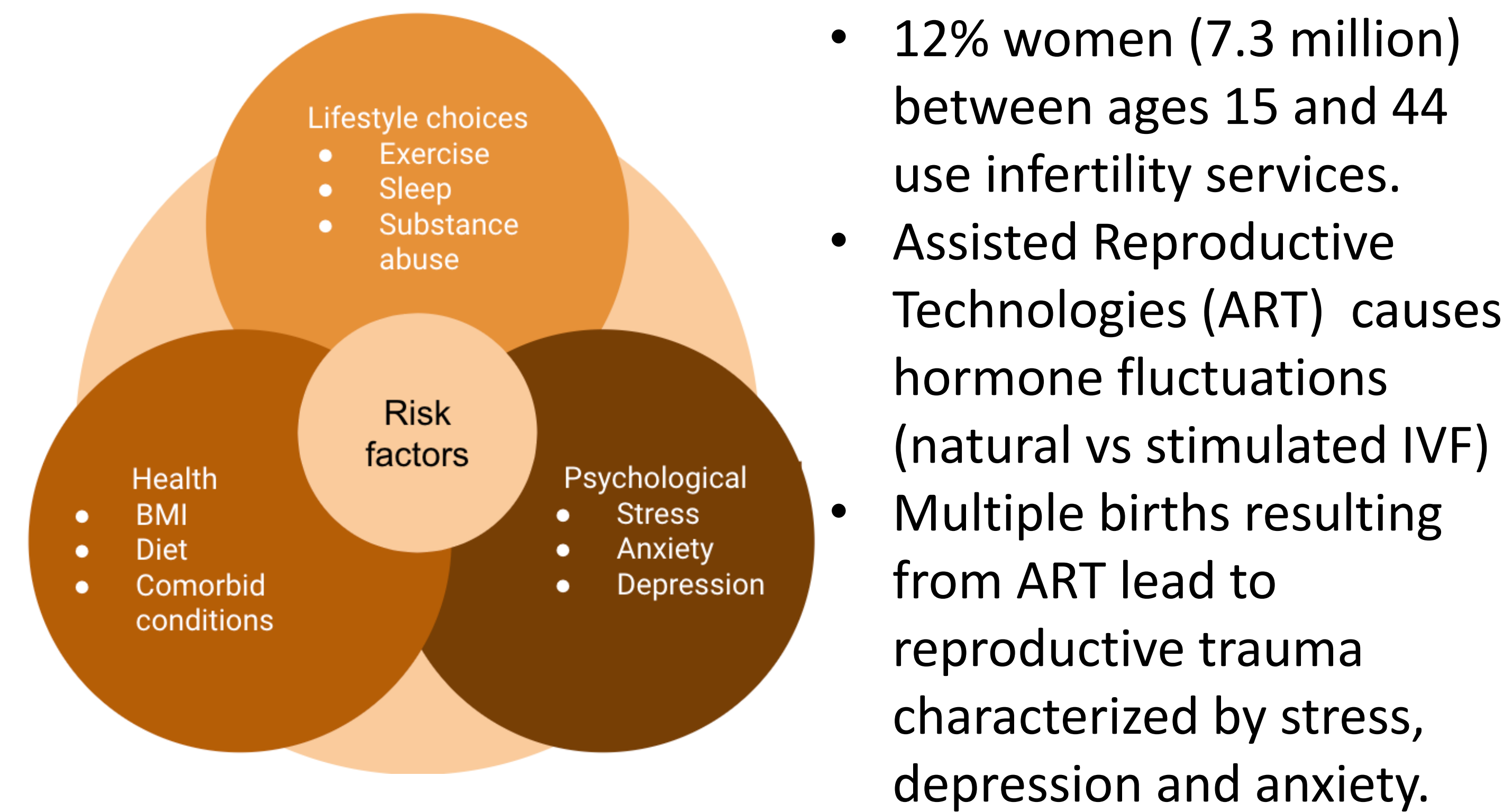


Cardiovascular and Psychological Effects of Infertility and Its Treatments on Women in the United States

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BACKGROUND



Adapted from Smith, Velez, Dayan, 2021

METHODS

- Studies included: investigating infertility risk factors and treatments, and their cardiovascular and psychological impact.
- Patient population: women ages 20- 60 years.
- Analyzed the cause-and-effect relationship between stress, CVD risks and infertility.
- Studied different types of coping interventions employed to overcome reproductive trauma.

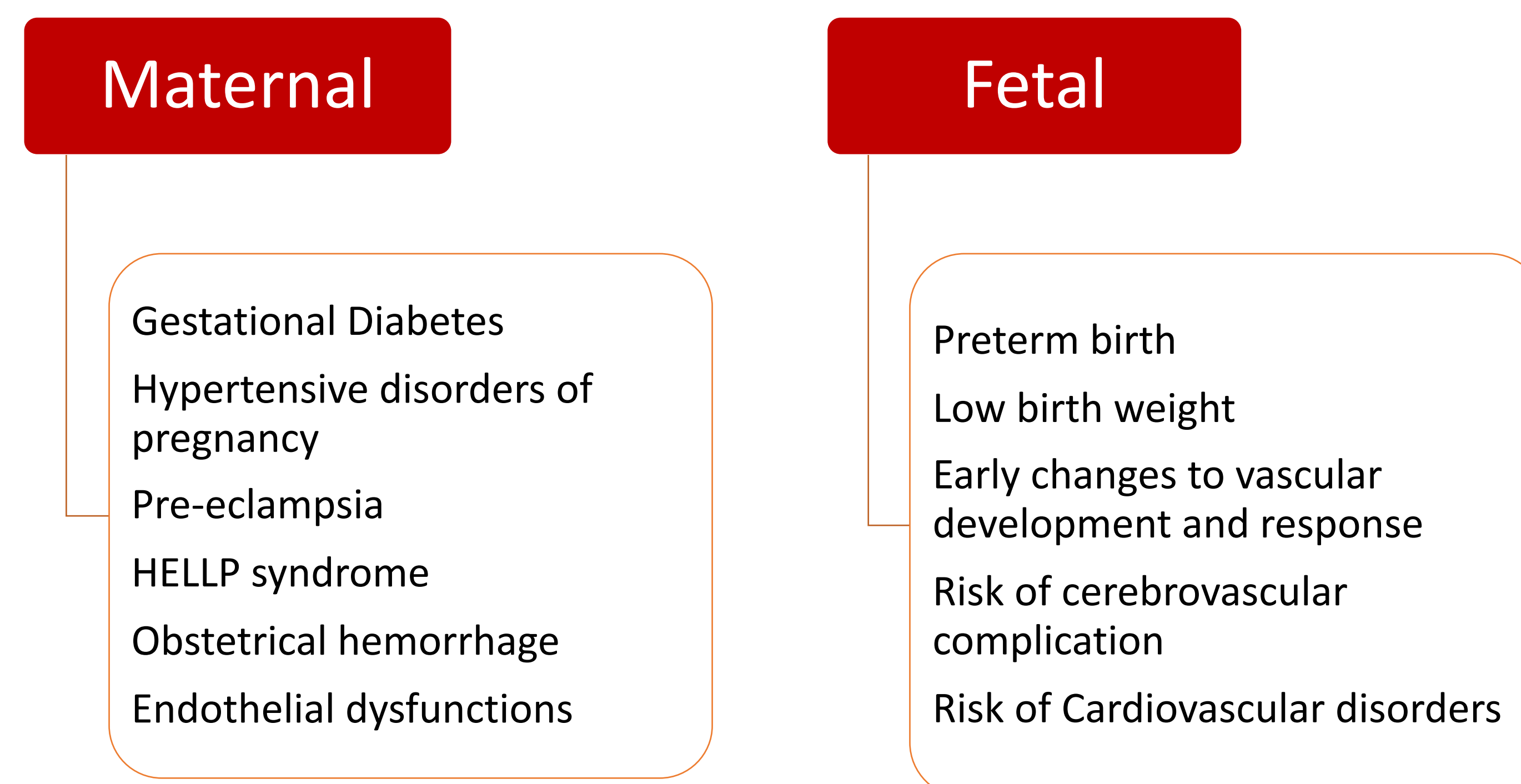
RESULTS

WHO Classification of Maternal Cardiovascular Risks

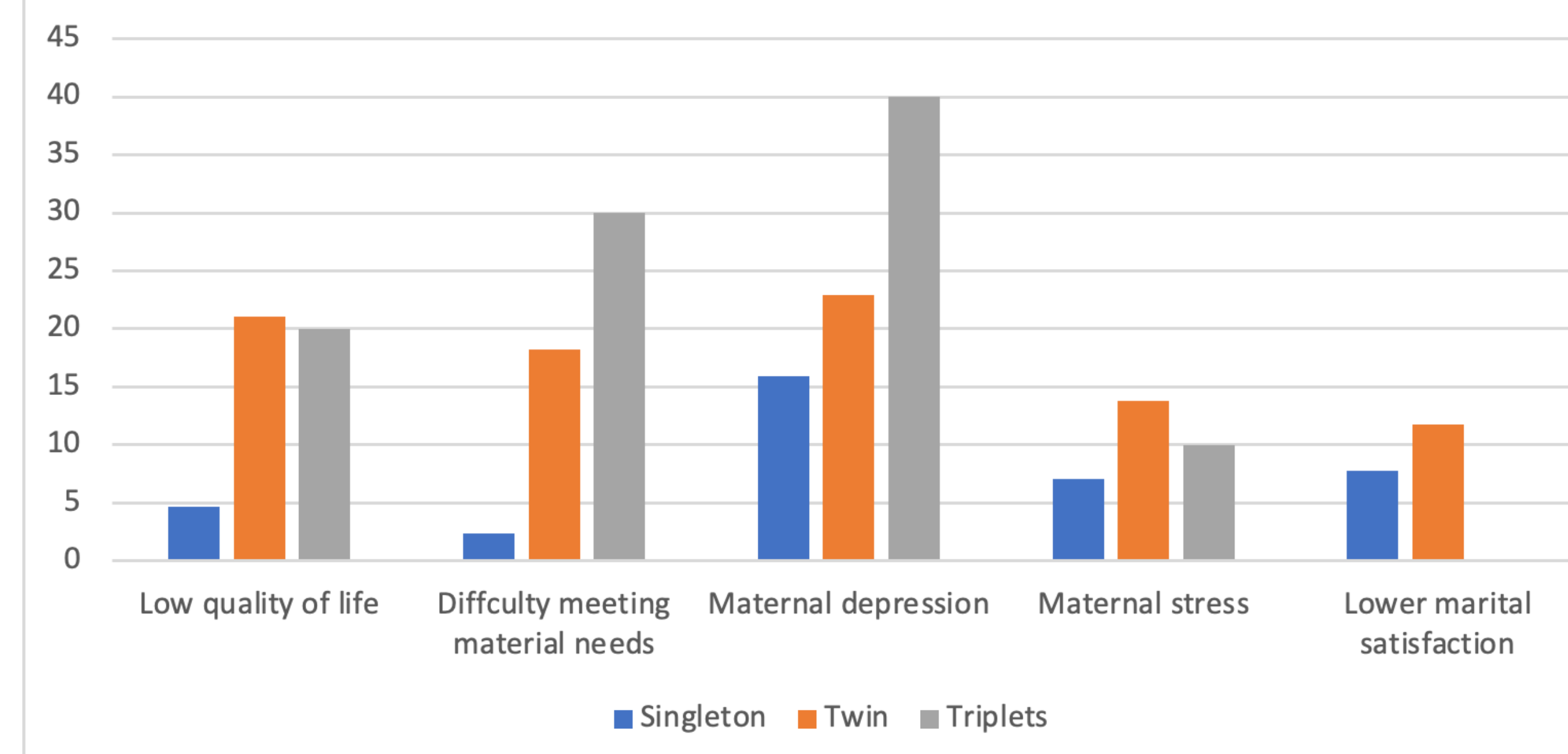
I	No increased risk of mortality, mild increase in morbidity	Follow up once or twice
II	Small increase in mortality, moderate increase in morbidity	Follow up every trimester
III	Significantly increased risk of mortality and morbidity	Expert counselling needed Follow-up bi-monthly
IV	Extremely high risk of mortality and morbidity	Expert counselling needed Follow-up monthly Pregnancy not recommended

Adapted and modified from van Hagen, Roos-Hesselink, 2020

Cardiovascular Impacts of ART

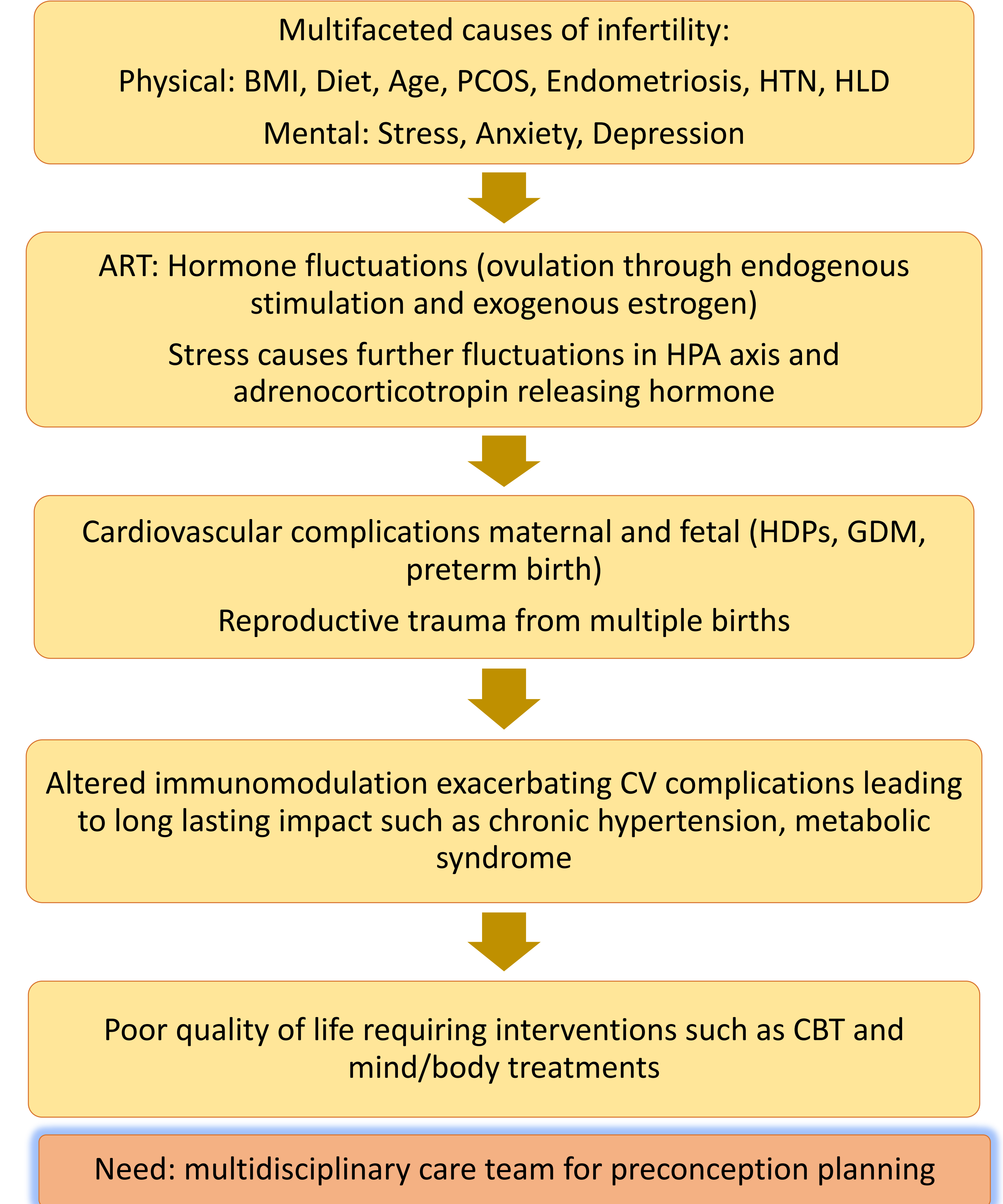


% Prevalence of Adverse Outcomes of ART Associated Multiple Births



Adapted and modified from Grainger, Frazier, Rowland, 2006

DISCUSSION



FUTURE DIRECTIONS

- Develop tools for risk stratification and early intervention.
- Explore interventions to manage psychological distress and improve quality of life.

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