



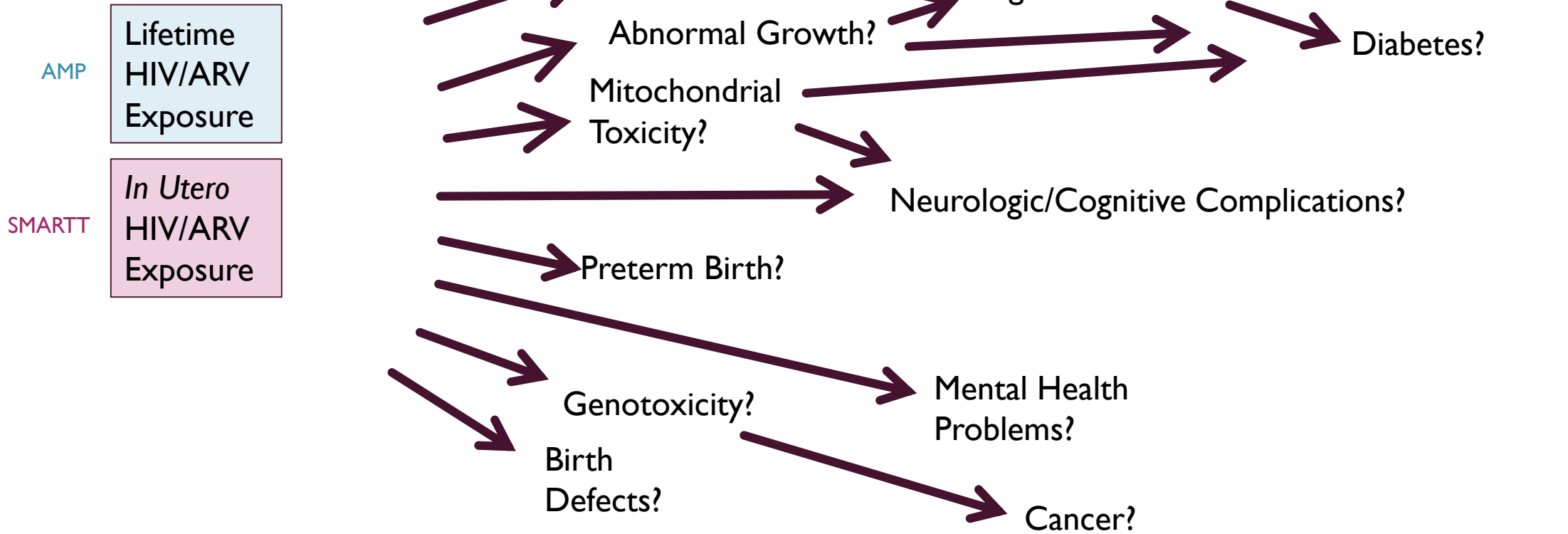
# PHACS CAB MEETING:

INTERSECTING WITH THE METABOLIC AND NUTRITION WORKING GROUP

DECEMBER 20, 2018



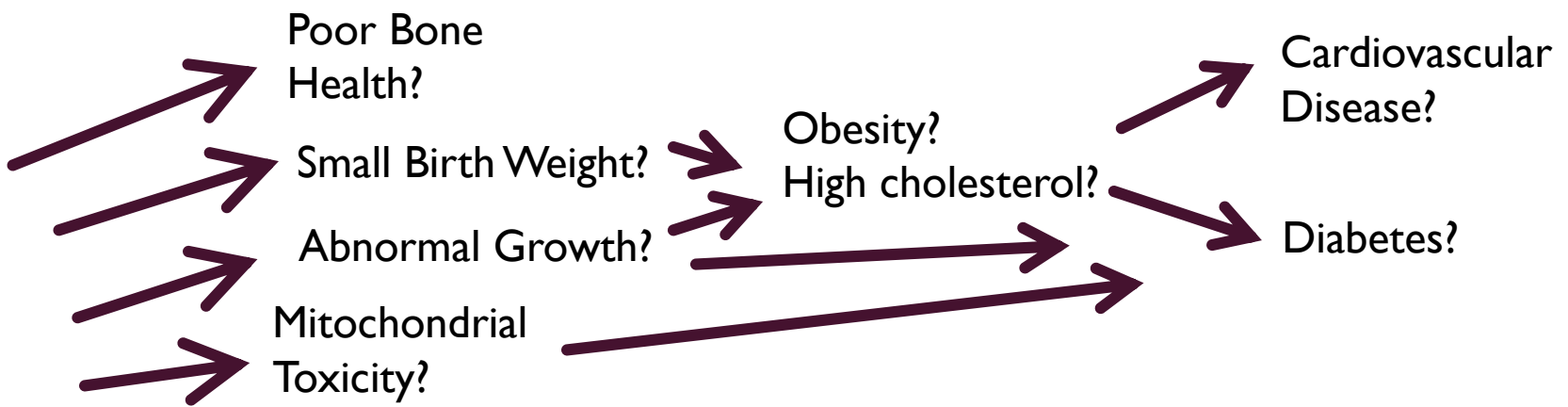
# Short and Long Term Concerns for HIV/ARV Exposure



# Short and Long Term Concerns for HIV/ARV Exposure

AMP  
Lifetime HIV/ARV Exposure

SMARTT  
In Utero HIV/ARV Exposure



**THESE ARE EXAMPLES OF “METABOLIC” OUTCOMES**



# METABOLIC COMPLICATIONS WE WONDER ABOUT IN PEOPLE LIVING WITH HIV AND IN CHILDREN/ADOLESCENTS EXPOSED TO BUT NOT UNINFECTED WITH HIV

- Are there problems with birth weight and growth?
- Are there problems with bone – is it more frail or easy to fracture?
- Is there more risk for obesity, diabetes, high cholesterol, high blood pressure, and heart disease later in life?
- Are there problems in breaking down sugar or fat or using food as energy?

# WE HAVE STUDIED...

- In AMP- Perinatally HIV-infected children/adolescents compared to HIV-exposed uninfected
  - Fracture rates
  - Pre-diabetes (problems breaking down sugar)
  - Vitamin D and bone health
  - Body fat distribution
  - Risk of heart disease
  - Mitochondrial abnormalities
- In SMARTT
  - Childhood growth at 2 years of age by in-utero ART exposure
  - Childhood growth from birth to 7 years by mother's perinatal HIV status

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What are the biggest concerns you have for yourself and/or your children's metabolic health long term which you would like to see PHACS address?