Dr. Crume studied the role of exposure to maternal diabetes in utero on childhood obesity patterns. She found that exposure to diabetes in utero increases adiposity in 10-year old youth.


Crume and her colleagues measured body mass index (BMI), waist circumference, and subcutaneous and visceral (intra-abdominal) fat with magnetic resonance imaging (MRI). Among youth aged ~10 years, all adiposity measures were significantly higher if mother had diabetes during pregnancy and breastfed < 6 months than among those without diabetes (p=0.03).

No measure was significantly higher if mother had diabetes during pregnancy but breastfed > 6 months than among those without diabetes (p=0.4) (see figure above).

**Contact us about training opportunities:**

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![Breastfeeding duration vs. Offspring BMI](image)