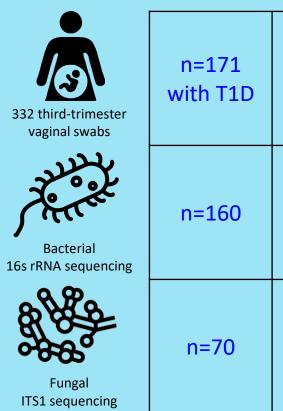
Adverse pregnancy outcomes in women with type 1 diabetes are associated with multiple alterations in the vaginal microbiome

Preterm birth and preeclampsia in women with type 1 diabetes (T1D) are linked to vaginal microbiome changes. Early intervention to treat risk-associated taxa may improve pregnancy outcomes for mothers and babies.



n=171 with T1D	n=161 without T1D
n=160	n=150
n=70	n=77

In T1D compared to pregnancies without T1D:

↑ Abundance of *Lactobacillus* species L. iners and L. jensenii

1 Dysbiosis-associated anaerobic genera Gardnerella, Anaerococcus, Prevotella, Dialister, and Peptoniphilus

> ↑ Abundance of fungi species Malassezia restricta

In T1D pregnancies with adverse outcomes:

Preterm birth

- ↑ Bacterial alpha diversity
 - ↓ Lactobacillus reuteri
 - ↑ *Malassezia* genus

Preeclampsia

- 1 Bacterial alpha diversity
- ↑ Gardnerella vaginalis

