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Endocrine Disruptors

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## Introduction

- Biosolids are an important pathway of exposure to consider in risk-based chemical prioritization
- Current data on chemical concentrations in biosolids is limited, and new chemicals may have no data
- Methods are needed to rapidly ٠ predict chemical concentrations in biosolids for substances with limited data.

# Discussion

Key Data Gap: Wastewater Treatment Plant (WWTP) parameters vary by plant and affect chemical classes differently. These parameters are a key source of chemical- and WWTP-specific variability in biosolids conc. – yet data on variability are limited or nonexistent

### Conclusion

- Rapid predictions of biosolids chemical concentrations should include descriptions of variability across chemicals, across WWTPs, and by chemical class
- Data gaps in WWTP parameters preclude use of detailed WWTP chemical fate models to model variability
- Bayesian inference can be used to determine how to weight different predictors and parameters, and how to quantify uncertainty in model predictions.

