

Note to readers with disabilities: *EHP* strives to ensure that all journal content is accessible to all readers. However, some figures and Supplemental Material published in *EHP* articles may not conform to [508 standards](#) due to the complexity of the information being presented. If you need assistance accessing journal content, please contact ehp508@niehs.nih.gov. Our staff will work with you to assess and meet your accessibility needs within 3 working days.

Supplemental Material

A Probabilistic Approach to Evaluate the Risk of Decreased Total Triiodothyronine Hormone Levels following Chronic Exposure to PFOS and PFHxS via Contaminated Drinking Water

Antero Vieira Silva, Joakim Ringblom, Christian Lindh, Kristin Scott, Kristina Jakobsson, and Mattias Öberg

Table of Contents

Table S1. Spearman correlation results for PFAS in the sample population. Sample size $n = 1,845$ for PFHxS, PFOA and PFOS, $n = 723$ for PFNA, $n = 467$ for PFDA, $n = 228$ for PFHpA.

Figure S1. Benchmark dose-response analysis for females (left) and males (right) monkeys, using serum PFOS concentrations (x-axis) and free T₃ levels at day 184 (y-axis) as described in the Seacat study (2002). Doses are based on median serum concentrations measured in the dose groups.

Figure S2. The contribution of the different sources of uncertainty to the overall IMoE distribution, estimated for co-exposure to PFOS and PFHxS.

SUPPLEMENTAL MATERIAL

TABLES

Spearman's Rank-Order Correlation							
Compound	Concentration, Median (P5,P95), ng/mL	PFOS	PFHxS	PFOA	PFNA	PFDA	PFHpA
PFOS	277.1 (63.3 to 830.9)	1					
PFHxS	247.1 (45.0 to 795.5)	0.965	1				
PFOA	15.2 (4.0 to 41.6)	0.921	0.904	1			
PFNA	0.68 (0.28 to 1.85)	0.606	0.633	0.556	1		
PFDA	0.35 (0.21 to 0.89)	0.321	0.326	0.326	0.999	1	
PFHpA	0.43 (0.21 to 1.62)	0.161	0.117	0.222	0.999	0.997	1

Table SI. Spearman correlation results for PFAS in the sample population. Sample size $n = 1,845$ for PFHxS, PFOA and PFOS, $n = 723$ for PFNA, $n = 467$ for PFDA, $n = 228$ for PFHpA.

Abbreviations: P5, 5th percentile; P95, 95th percentile; PFDA, perfluorodecanoate; PFHxS, perfluorohexane sulfonic acid; PFHpA, Perfluoroheptanoic acid; PFNA, perfluorononanoate; PFOA, perfluorooctanoic acid; PFOS, perfluorooctane sulfonic acid.

FIGURES

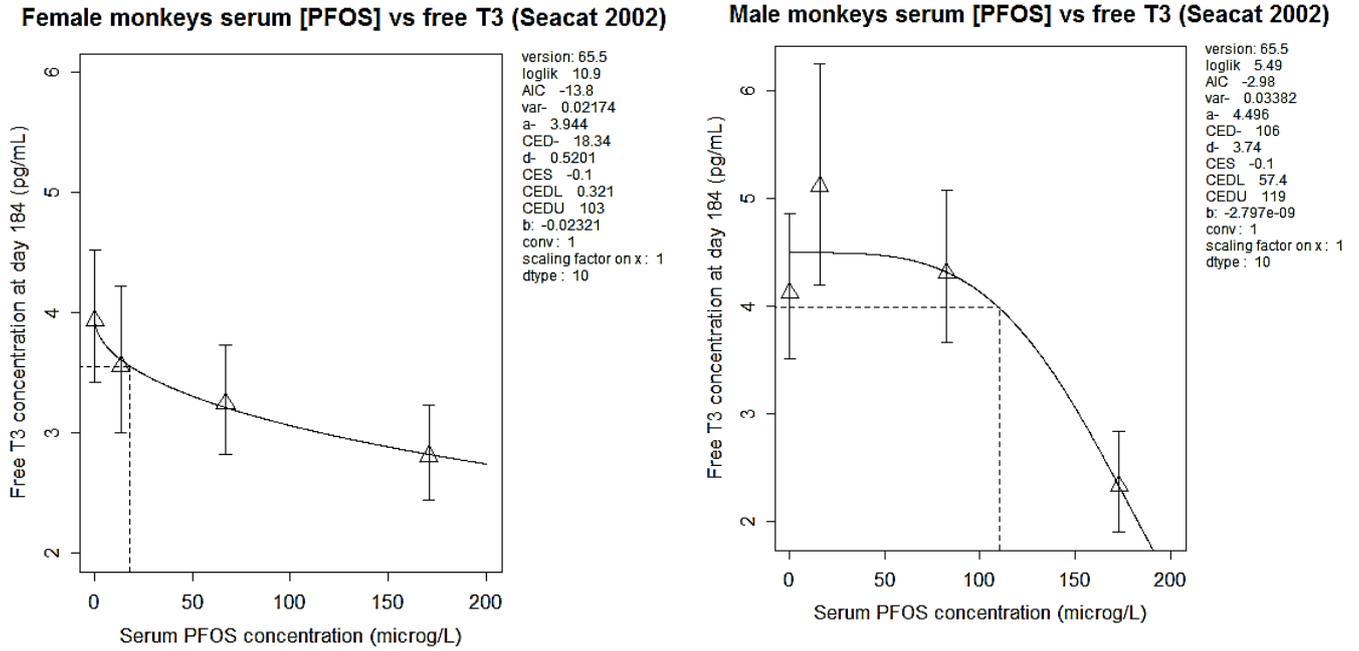


Figure S1. Benchmark dose-response analysis for females (left) and males (right) monkeys, using serum PFOS concentrations (x-axis) and free T₃ levels at day 184 (y-axis) as described in the Seacat study (2002). Doses are based on median serum concentrations measured in the dose groups.

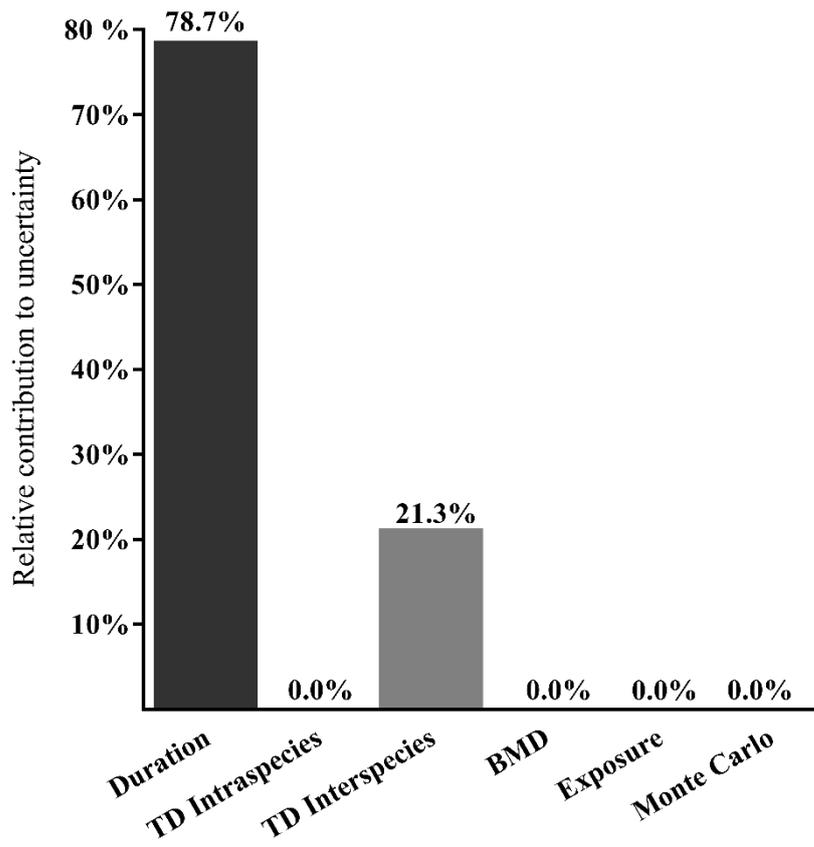


Figure S2. The contribution of the different sources of uncertainty to the overall IMoE distribution, estimated for co-exposure to PFOS and PFHxS.