

**FDA-University of Maryland CERSI Public Workshop:
Development of Antihypertensive Products for Use in Pediatric Patients
Dates: July 15th – 16th, 2026
Hybrid/FDA White Oak Campus, Great Room
Silver Spring Maryland**

Background and Synopsis:

Treatment of chronic hypertension in pediatric patients, particularly children from birth to under 6 years of age, remains an area of unmet medical need, with limited FDA-approved therapies for use in this age group. Products are also being developed for the treatment of uncontrolled and/or resistant hypertension in adults. This public workshop will bring together key stakeholders, including clinicians, academicians, regulators, industry, and patients/caregivers, to discuss the similarities and differences in disease pathophysiology and drug response across age groups, determine the extent to which efficacy can be extrapolated, identify development priorities for both initial therapy and uncontrolled hypertension, and explore feasible strategies to generate evidence for the safe and effective use of antihypertensive treatment(s) in pediatric patients with hypertension.

DAY 1

Welcome & Introduction

9:00 AM – 9:10 AM	Welcome and Introduction Lily Mulugeta, PharmD	Associate Director for Policy and Research, DPMH, ORPURN, CDER, FDA
9:10 AM – 9:20 AM	Keynote Talk Hylton Joffe, MD	Director, OCHEN, CDER, FDA?
9:20 AM – 9:35 AM	Regulatory Framework for Drug Development in Children and Extrapolation of Safety and Efficacy Data from a Reference Population Lily Mulugeta, PharmD	Associate Director for Policy and Research, DPMH, ORPURN, CDER, FDA
9:35 AM – 9:55 AM	Landscape of Drug Development for Management of Hypertension Kirtida Mistry, MD, FASN	Medical Officer, DCN, CDER, FDA

Session 1: Chronic Hypertension

9:55 AM – 10:25 AM	Overview of Pediatric Hypertension and Similarities/Differences in Hypertension in Adults and Pediatric Patients Joshua Samuels, MD, MPH	Professor; Director, Nephrology Fellowship Program; Director, Hypertension Program, McGovern Medical School, UTHealth Houston
10:25 AM – 10:45 AM	Similarities and Differences in Response to Anti-hypertensive Agents in Adult and Pediatric Patients Joseph T. Flynn, MD, MS	Professor, Pediatrics, University of Washington School of Medicine; Chief, Division of Nephrology, Seattle Children's
10:45 AM – 10:55 AM	BREAK	
10:55 AM - 11:15 AM	Off-label Prescribing Practices Douglas Blowey, MD	Medical Director, Chief Clinical Integration Officer, Children's Mercy Integrated Care Solutions
11:15 AM – 11:30 AM	Considerations for Age-Appropriate Pediatric Formulations—Industry Perspective	
11:30 AM – 11:45 AM	Off-label Prescribing: Medication Errors and Formulation Related Limitations Rachel Meyers, PharmD, BCPS, BCPPS, FPPA	Clinical Professor, Ernest Mario School of Pharmacy, Rutgers University; Pediatric Clinical Pharmacist, Cooperman Barnabas Medical Center
11:45 AM – 12:00 PM	Q&A/Clarifying Questions	
12:00 PM – 1:00 PM	Panel Discussion <i>Moderator:</i> Mona Khurana, MD	Pediatric Team Leader, DPMH, ORDPURN, OND, CDER, FDA

Panelists:	Kirtida Mistry, MD, FASN Joshua Samuels, MD, MPH	FDA-Liaison, CDER, FDA Professor; Director, Nephrology Fellowship Program; Director, Hypertension Program, McGovern Medical School, UTHealth Houston
	Joseph T. Flynn, MD, MS	Professor, Pediatrics, University of Washington School of Medicine; Chief, Division of Nephrology, Seattle Children's
	Douglas Blowey, MD	Medical Director, Chief Clinical Integration Officer, Children's Mercy Integrated Care Solutions
	Rachel Meyers, PharmD, BCPS, BCPPS, FPPA	Clinical Professor, Ernest Mario School of Pharmacy, Rutgers University; Pediatric Clinical Pharmacist, Cooperman Barnabas Medical Center, Livingston NJ
	Industry Industry FDA	

1:00 PM – 2:00 PM

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Session 2: Extrapolation and Trial Design Considerations—Chronic Hypertension

2:00 PM – 2:15 PM	Dose-Response and Extrapolation of Efficacy from Older Pediatric Patients Sudharshan Hariharan, PhD	Master Pharmacokineticist, OCP, FDA
2:15 PM – 2:30 PM	Safety Assessment and Pediatric Specific Considerations Ricardo Fonseca Martins, MBA	Senior Medical Manager, Pharmacovigilance, E. Lilly and Company
2:30 PM – 3:00 PM	Panel: Lessons Learned from Conducting Clinical Trials in Pediatric Hypertension, including Uncontrolled Hypertension Moderator: Jennifer S. Li, MD Panelists: Monica Bengus, MD Joseph T. Flynn, MD, MS Tammy McLoughlin Brady Joshua Samuels, MD, MPH	Pediatric Cardiologist, Duke Children's Cardiology Creekstone Principal Medical Director, Cardiovascular, Roche Professor, Pediatrics, University of Washington School of Medicine; Chief, Division of Nephrology, Seattle Children's Professor; Director, Nephrology Fellowship Program; Director, Hypertension Program, McGovern Medical School, UTHealth Houston
3:00 PM – 3:10 PM	BREAK	
3:10 PM – 3:25 PM	Dose Prediction and Modeling and Simulation—	Industry Perspective
3:25 PM – 3:40 PM	Innovative Trial Designs and Leveraging Existing Data Brian Benneyworth?	
3:40 PM – 4:40 PM	Panel and Stakeholder Discussion Moderator: Kirtida Mistry, MD, FASN Panelists: Aliza M. Thompson, MD, MS Sudharshan Hariharan, PhD Ricardo Fonseca Martins, MBA Brian Benneyworth?	Medical Officer, DCN, CDER, FDA Director, DCN, CDER, FDA Master Pharmacokineticist, OCP, FDA Senior Medical Manager, Pharmacovigilance, E. Lilly and Company

Industry

4:40 PM – 4:50 PM

Closing Remarks—Day 1

DRAFT

DAY 2

Session 3: Management of Uncontrolled Hypertension

9:00 AM – 9:10 AM	Welcome and Summary of Day 1
9:10 AM – 9:25 AM	Treatment of Uncontrolled Hypertension: Similarities/Differences Adult and Pediatric Patients Across Age Spectrum Carissa M. Baker-Smith, MD, MPH, MS Cardiologist, Director, Nemours Preventative Cardiology Program, Nemours Children’s Hospital
9:25 AM – 9:40 AM	Evaluation of Response—Treatment of Uncontrolled Hypertension in Adults Versus Pediatric Patients Across Age Spectrum TBD
9:40 AM – 10:00 AM	BREAK
10:00 AM – 11:20 AM	Panel Discussion Moderator: TBD Panelists: Tammy McLoughlin Brady Carissa M. Baker-Smith, MD, MPH, MS Cardiologist, Director, Nemours Preventative Cardiology Program, Nemours Children’s Hospital FDA Industry Industry
11:20 AM – 11:30 AM	Closing Remarks Aliza Thompson, MD, MS Director, DCN, CDER, FDA
