Cincinnati Children's
change the outcome

Drug and Poison Information Center

Division Photo

Sitting l to r: Earl Siegel, Gaylene Tsipis

Standing l to r: Ernie Chaffin, Jon Colvin, E. Don Nelson, Todd Carson, Rob Goetz, Dan Petersen, Jeff Schmees, Edward Otten

Division Data Summary

Research and Training Details	
Number of Faculty	7
Number of Joint Appointment Faculty	3
Number of Support Personnel	99
Direct Annual Grant Support	$657,136
Peer Reviewed Publications	2
Clinical Activities and Training	
Number of Other Students	86
Outpatient Encounters	158521

Significant Publications

Setlik J, Bond GR, Ho M. Teen prescription ADHD medication abuse is rising with prescriptions for these medications. Pediatrics. 2009;124:875-880.

The study demonstrated that as more adolescents are abusing ADHD medications. Abuse has risen as therapeutic use of these medications has risen, although not necessarily by the ADHD patients themselves. Abuse consequences and volume related to mixed amphetamine salts has risen disproportionately to availability to teens. This problem prompts physicians and to more specially address the issue of abuse of these medications with parents and teens

Setlik J, Ho M, Bond GR. Emergency Department Use After Pediatric Pharmaceutical Ingestion: Comparison Of Two National Databases. Clinical Toxicology 2010;48:64-67.

Since the result is very similar by independent and unrelated methods, this work validates both datasets as quantitatively and qualitatively representing the pediatric pharmaceutical poisoning in America. Either can now be used to describe patterns of change over time or assess societal interventions.

Division Highlights

Medication Identification Interactive Response System

. This automated system allows a caller to interact with a database of medications by speaking into the phone receiver. In addition to identification, the system also provides the caller with information about the medication's therapeutic use, drug class, dosage, and common brand name. Callers with more sophisticated questions or needs are provided with immediate access to a trained DPIC drug information or prevention specialist staff member. Finally, caller demographics and related information from the automated system are combined and uploaded to the DPIC medical database to enhance surveillance and associated outreach efforts. The new automated system responds to hundreds of calls daily and has significantly expanded service delivery and surge capacity within the DPIC hotline.

Division Collaboration

Collaboration with Emergency Medicine; ;

Collaborating Faculty: Nick Gagai;

Investigation of Lamp Oil Poisonings in Children Under the Age of Six

Collaboration with Emergency Medicine

Collaborating Faculty: Mike Gittelman MD ; Wendy Pomeranz MD

Injury Prevention Curriculum re: Poison Prevention and Substance Abuse Prevention

Collaboration with Employee Health

Collaborating Faculty: Terry Thrasher RN

803-OUCH line for injury reporting

Faculty Members

G. Randall Bond, MD, Professor ; *DPIC Executive Medical Director*
Research Interests: Acetaminophen and pediatric cold medicine toxicity and drug abuse epidemiology

Earl G. Siegel, PharmD, Adjunct Professor ; *DPIC Co-Director*
Research Interests: Inhalant abuse and substance abuse and poison control prevention

Gaylene B. Tsipis, MS, BS Pharm, Adjunct Assistant Professor ; *DPIC Co-Director*
Research Interests: Geriatric drug use and medication error prevention

Robert Goetz, PharmD, Adjunct Assistant Professor
Research Interests: Drug information, toxicology and CYP 450

Eljorn Don Nelson, PharmD, Adjunct Assistant Professor
Research Interests: Substance abuse pharmacology

Marsha Polk, HPT, Instructor ; *Associate Director*
Research Interests: Community prevention, wellness issues and health disparities

Jan Scaglione, PharmD, Adjunct Assistant Professor
Research Interests: Substance abuse epidemiology and toxicology

Joint Appointment Faculty Members

Edward Otten, MD, Professor
Emergency Medicine
Toxicology and toxinology

Curtis Snook, MD, Associate Professor Clinical
Emergency Medicine (UC)
Disaster preparedness and toxicology

Significant Accomplishments

One of the largest of its kind

Our 24-hour hotline for drug and poison information is one of the largest of its kind nationwide and serves a population of 3.7 million in 20 Ohio counties.

Our Center gathers poison control data to provide toxicosurveillance on food poisoning, water quality, substance abuse patterns and terrorism preparedness. We collaborate with regional medical response systems, county disaster committees and the Ohio Department of Health's disaster preparedness and response program. We also participate in a network that sends alerts to 60 regional hospitals on subjects such as H1N1 flu, blue-green algae in local rivers and prescription drug abuse.

This year after an extensive review, our Center was awarded a five-year recertification by the American Association of Poison Control Centers.

Prevention Research Unit (PRU)

Our Prevention Research Unit, which includes prevention specialists, health educators, pharmacists, law enforcement officers and other health care professionals, implements programs to promote healthy drug-free lifestyles. These programs have benefited more than 500,000 people in Hamilton County.

Our program to prevent violence and delinquency among African-American youth earned an Exemplary Prevention Award from the Ohio Department of Alcohol and Drug Abuse Services. Other services provided by this unit include the REACH and NOMAD projects. We also address health disparity and wellness issues in Hamilton County with the support of the Office of National Drug Control Policy People of Color, Wellness Alliance Coalition Grant and the Grassroots Urban Mobilization Benefitting Ohio Initiative.

Staff recognition

Staff members receiving awards in the last year include: Alysha Behrman, a Florence Nightingale Award; Sarah Lamkin, Cincinnati Children's Woman of the Year; Marsha Polk, Nefertiti Award; and Rudy Smith, Cincinnati Children's MLK Humanitarian Nominee; and Robin Davis and Patty Klein as American Association of Poison Control Centers Certified Specialists in Poison Information.

Division Publications

1. :

Grants, Contracts, and Industry Agreements

Grant and Contract Awards		Annual Direct / Project Period Direct
Polk, M		
People of Color Wellness Alliance Substance Abuse & Mental Hlth Svc Admin H79SP014669	09/30/08 - 09/29/13	$125,000 / $623,330
Siegel, E		
Ohio Bio-Terrorism Preparedness Ohio Department of Health 03130012PP0110	08/09/09 - 06/30/10	$202,128 / $202,128
Poison Control Stabilization and Enhancement Program Health Resources & Services Admin H4BHS15468	09/01/09 - 08/31/14	$330,008 / $1,488,616
	Current Year Direct	**$657,136**
	Total	**$657,136**