OUR MISSION

The Upstate New York Poison Center assists the medical community and the general public with poison emergencies by providing state of the art management expertise. Combining compassionate patient care, with education, research and community outreach, the staff of the Upstate New York Poison Center confirms its commitment to excellence through a dedication to wellness.

OUR COMMITMENT

The Upstate New York Poison Center strives to provide the most current toxicology management and prevention information to both the general public and health care community for the purpose of reducing the number, the cost, and the severity of poison exposures. The Poison Center staff provides telephone triage/case management for poison exposures, 24 hours, 7 days a week, 365 days a year, to 54 counties, 125 hospitals with a population base of 7.4 million people. The clinical and education staff is committed to being the definitive toxicology resource within this catchment area.
PEDIATRIC CASES

35% of the total calls involved children < 5 years of age.

89% of these calls were able to be managed at home.

MEDICAL OUTCOME

<table>
<thead>
<tr>
<th>Medical Outcome</th>
<th>Cases</th>
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<tbody>
<tr>
<td>No Effect</td>
<td>25000</td>
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<tr>
<td>Minor Effect</td>
<td>15000</td>
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<tr>
<td>Moderate Effect</td>
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<td>Major Effect</td>
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<tr>
<td>Death</td>
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</tr>
<tr>
<td>Unable to Follow Up Potentially Toxic</td>
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<tr>
<td>Unrelated Effect</td>
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<tr>
<td>Confirmed Non-exposure</td>
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## Call Volume by County

<table>
<thead>
<tr>
<th>County</th>
<th>Cases</th>
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<td>Erie</td>
<td>5953</td>
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<td>Orange</td>
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<td>Oneida</td>
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<tr>
<td>Broome</td>
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<tr>
<td>Rockland</td>
<td>1615</td>
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<tr>
<td>Dutchess</td>
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<td>Clinton</td>
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<td>Tompkins</td>
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<td>St. Lawrence</td>
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<td>Steuben</td>
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<td>Cayuga</td>
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<td>Wayne</td>
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<td>Sullivan</td>
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<td>Cattaraugus</td>
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<table>
<thead>
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<th>County</th>
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<td>Madison</td>
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<td>Warren</td>
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<td>Columbia</td>
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<td>Cortland</td>
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<td>Herkimer</td>
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<td>Livingston</td>
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<td>Fulton</td>
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<td>Franklin</td>
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<td>Chenango</td>
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<td>Putnam</td>
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<td>Allegany</td>
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<td>Wyoming</td>
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<td>Delaware</td>
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<td>Orleans</td>
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<td>Schoharie</td>
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<td>Essex</td>
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<td>Washington</td>
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<td>Greene</td>
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<td>Tioga</td>
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<tr>
<td>Lewis</td>
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<td>Yates</td>
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<td>Seneca</td>
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<td>Schulyer</td>
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<td>Hamilton</td>
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</tbody>
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CASE ANALYSIS

BUSIEST MONTHS
- August
- July
- September

CALL TYPE
- 86% of our total case volume were exposures
- 14% were information cases
  - 27% of the information cases were related to medication questions

CALLER SITE
- 66% of the cases were managed at home
- 31% were managed in a health care facility
- 3% were lost to follow-up or refused referral

PEDIATRIC CASES
- 35% of the total calls involved children < 5 years of age
- 89% of these calls were managed at home

OUR CATCHMENT AREA

54 COUNTIES
125 HEALTH CARE FACILITIES
7.4 MILLION NYS CITIZENS
SCOPE OF FUNCTION

PROVIDE TELEPHONE TRIAGE

• Home
• Health Care Facility
• Schools
• Workplace

CASE MANAGEMENT

• Follow-up at home and at hospitals
• Evidenced based
• Clinical Toxicology consults provided on sick cases or as requested

SITUATIONAL AWARENESS

• Instituted after September 11th
• Alerts HCP and public of unusual exposures
• Case information uploaded every 8 min to CDC
• Data mining and provision of data

DISASTER PLANNING, RESPONSE, AND MITIGATION

• Committees
• Exercises
• Tox Consultations

PUBLIC HEALTH PLANNING, RESPONSE AND MITIGATION

• Drug Abuse/Misuse Awareness
• Flu on Call™
• Product Recalls

PUBLIC EDUCATION

• Law enforcement
• Conferences
• Public Forums
• Schools

SAFETY EDUCATION AND AWARENESS

• Presentations
• Newsletters

PROFESSIONAL EDUCATION

Clinical Rotation Site for:

• Medical Students
• Emergency Medicine Residents
• PharmD Residents
• PharmD Students
• Nursing Students

Webinars

Teaching Days

Toxicology presentations for health care professionals

• 125 Health Care Facilities
• Onsite
• Variety of topics:
  • Drugs of Abuse
  • Cardiotoxic Agents
  • Antidepressants
  • Analgesic Overdoses
  • Toxic Alcohols
  • Deadly in a Single Dose
• Professional Conferences
  • ENA
  • NYS School Nurses

MEDIA INTERVIEWS

• CNYCentral (Syracuse)
• WSYR (Syracuse)
• Putnam County Courier
• WIVB (Buffalo)
• Spectrum News Stations
• WKTV (Utica)
• Citrus TV (Syracuse University)
• WCBS (NYC)
• Observer Today (Buffalo)
• WWNY (Watertown)
• West Seneca Bee (Buffalo)
• The Post-Star (Albany)
• WAER (Syracuse)
• Pharmacist.com
• Eureka Alert
• AAFP
• WETM (Elmira)
• The Observer-Dispatch (Utica)
PROFESSIONAL EDUCATION:

- Medical and Clinical Toxicology Fellowships
- Toxicology Education
  - Department of Emergency Medicine
  - School of Medicine
  - Department of Medicine
  - Toxicology Teaching Day
  - Medical Grand Rounds
  - Nursing Grand Rounds
  - School of Public Health
- Clinical Rotation Site for the
  - Department of Emergency Medicine
  - College of Medicine Students
  - College of Nursing Students
    - Upstate
    - Le Moyne College
    - SUNY Delhi
  - PharmD Residents
  - PharmD Students
  - Paramedic Students

PUBLIC EDUCATION/AWARENESS:

- New York State Fair
- Health Links
- OASIS Education Programs

COMMITTEES:

Representation on

- Safe Kids Committee
- Emergency Management Committee
- Emergency Medicine Quality and Patient Safety
- Substance Abuse Disorder Committee
LOCAL INITIATIVES

ONONDAGA COUNTY DRUG TASK FORCE

COMBINED TOXICOLOGY GRAND ROUNDS

- Collaboration with Onondaga County Medical Examiners Office and Toxicology Lab

ONONDAGA COUNTY EMERGENCY PREPAREDNESS COMMITTEE

SNADD COMMITTEE

COLLABORATIONS AND PARTNERSHIPS

- NYS Drug Task Forces
- NYS School Nurses Association
- Local and regional school districts
  - Ballston Spa Central School District
  - Cato-Meridian Central School District
  - Skaneateles Central School District
  - Poland Central School District
  - Oswego Central School District
  - Little Falls Central School District
  - Syracuse City School District
  - Vernon-Verona-Sherrill Central School District
  - Clinton Central School District
  - Whitesboro Central School District
  - OCM BOCES and Cortland BOCES - Pharmacy Tech and Medical Assistant Programs
- Onondaga County Sheriff’s Department
- Syracuse City Police Department
- Syracuse Fire Department
- Peace Incorporated
- Upstate Medical University Department of Pharmacy
- New York City Poison Control Center
- SUNY Buffalo School of Pharmacy
- Central Region Prevention Resource Center
- Oswego County Prevention Coalition
- Cayuga County Drug Free Community Coalition
- Bridges Madison County
- Conifer Park
- Central Region Addiction Resource Center
- Center for Family Life and Recovery
- VOW Foundation of Oswego County
- Oswego County 911
- Exelon Generation
- Winds of Agape
- Central New York Alcohol & Drug Association
- OASIS
- Madison County Childcare
- Arnot Ogden Auxiliary Group
- Safe Kids Upstate New York
STATEWIDE INITIATIVES

DATA COLLECTION AND SHARING
- Media throughout 54 counties
- 54 county Departments of Health
- The United States Drug Enforcement Agency (DEA)
- The New York State Intelligence Center
- The Office of the Governor
- The New York State Department of Health
- The New York/New Jersey High Intensity Drug Tracking Areas (HIDTA)
- The New York State Department of Environmental and Occupational Health
- Local, State & National Policy Makers/Leaders

COMMITTEES
- New York State Public Health Association Board of Directors

PUBLIC EDUCATION
- 38 Poison Prevention Presentations on Drugs of Abuse
- 25 Poison Prevention Presentation on Vaping
- 3 Poison Prevention Train-the-Trainer Presentations
- 15 Health Fairs
- 3 Poison Prevention Programs for Seniors
- 2 Poison Prevention Programs for the Refugee Population

PROFESSIONAL EDUCATION PRESENTATIONS FOR
- Upstate New York Poison Center Toxicology ECHO series
- University of Buffalo Department of Emergency Medicine
- University of Buffalo School of Pharmacy
- Utica College
- 9 Hospital In-services
- 4 Public Health Webinars
- 3 Nursing Grand Rounds
- 10 Medical Grand rounds
- New York State Fire Academy Conference
- APPC Annual Conference
- NYS Emergency Nurses Association state and regional conferences
- Western New York Nursing Symposium
- 8 Department of Health Presentations

NATIONWIDE INITIATIVES

TOXICOSURVEILLANCE IN PARTNERSHIP WITH THE CDC
- Situational awareness around exposure trends and unusual occurrences to health care providers, law enforcement, policy makers, governmental agencies, public health professionals and the general public

REPRESENTATION ON
- American Association/CDC Toxicosurveillance Team
- American Association of Poison Control Centers
  - Directors Committee
  - SPI Committee
  - Accreditation Committee
  - Public Health Committee
  - Public Education Committee
  - PoisonHelp.org Committee
- CDC’s Poison Control and Public Health Community of Practice Leadership Committee
- American College of Medical Toxicology
- American Board of Applied Toxicology
- American Academy of Clinical Toxicology

PRESENTATIONS FOR
- AACT National Webinar Series
- North American Congress Clinical Toxicology Annual Meeting, Nashville
TOP EXPOSURE AGENTS BY GENERIC CATEGORIES

CHILDREN 5 YEARS OF AGE AND UNDER

1. Cosmetics/personal care products
2. Household cleaning substances
3. Analgesics
4. Foreign body/toys
5. Topical Preparations
6. Dietary Supplements
7. Vitamins
8. Pesticides
9. Antihistamines
10. Plants

ADULTS

1. Analgesics
2. Sedative/hypnotics/antipsychotics
3. Antidepressants
4. Cardiovascular
5. Alcohols
6. Cleaning Substances
7. Anticonvulsants
8. Antihistamines
9. Cosmetics
10. Stimulants and Street Drugs

EMERGING DRUGS OF ABUSE

<table>
<thead>
<tr>
<th>Drug</th>
<th>Cases</th>
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<tr>
<td>Alcohol</td>
<td>1,277</td>
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<tr>
<td>Opioid Cases</td>
<td>787</td>
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<tr>
<td>E-cigs</td>
<td>280</td>
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<tr>
<td>Stimulants and Street Drugs</td>
<td>1,298</td>
</tr>
<tr>
<td>Kratom</td>
<td>30</td>
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<tr>
<td>Methamphetamine</td>
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<tr>
<td>Methylphenidate</td>
<td>248</td>
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<tr>
<td>LSD</td>
<td>32</td>
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<tr>
<td>Hallucinogenic Amphetamine</td>
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<tr>
<td>Cocaine</td>
<td>167</td>
</tr>
<tr>
<td>Cannabinoids and Analogs</td>
<td>347</td>
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</tbody>
</table>


**Telemedicine Delivery and Successful Reimbursement in Toxicology.**

The Toxicology Investigators Consortium Case Registry - the 2018 Annual Report.

**Prescription-, Illicit-, and Self-Harm Opioid Overdose Cases Treated in Hospital.**

**Naloxone Administration by Untrained Community Members.**


Kratom Adulterated with Phenylethylamine and Associated Intracerebral Hemorrhage: Linking Toxicologists and Public Health Officials to Identify Dangerous Adulterants.

**Loperamide toxicity: recommendations for patient monitoring and management.**

**Validation of the Poisoning Severity Score (PSS) in suicidal behavior by self-poisoning.**

**Hospital Observation Upon Reversal (HOUR) With Naloxone: A Prospective Clinical Prediction Rule Validation Study.**