

UK National Poisons Information Service

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The National Poisons Information Service (NPIS)

- Network of 4 poison units
- Established 1963
- 24 hour telephone advice service with trained Specialists in Poisons Information (SPIs)
- **NO DIRECT PUBLIC ACCESS**
- On-call clinical toxicologist for referral of calls



TOXBASE®

- Poisons information database TOXBASE® (www.toxbase.org) developed in 1982.
- TOXBASE® went online in 1999; adopted as first-line information source for healthcare professionals in the UK.
- 17,000 products.
- 602,012 user sessions and 1.69 million separate product accesses



Web based information on clinical toxicology for the United Kingdom: uptake and utilization of TOXBASE in 2000

D. Nicholas, Berman, Abson H. Good, Catherine A. Kelly & William J. Leding
 South Essex Specialist Centre (SESC), Royal Edward & Elmhurst, Loughton Place, Edinburg SS16 5JF

(NPIS 2016/17 report)

TOXBASE app

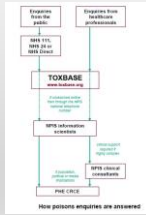
- App available



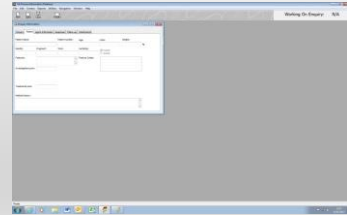
Who calls the NPIS?

- NHS 111/NHS Direct (Wales)/NHS 24 (Scotland)
- General practitioners (GPs)
- Emergency services
- HM Prison Service
- Hospital based health professionals
- Calls logged on UK Poisons Information Directory (UKPID) database
- 43,611 telephone enquiries received 2016/17 (NPIS report)

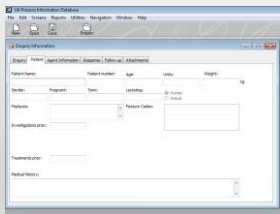
<http://www.npis.org>



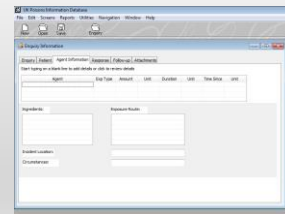
UKPID



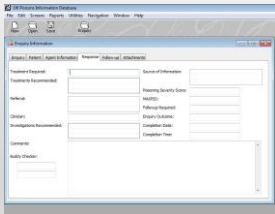
UKPID



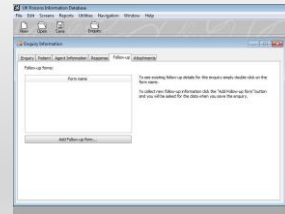
UKPID



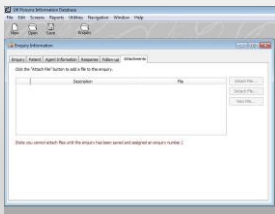
UKPID



UKPID



UKPID



Important NPIS Activities

NPIS Product Centre

- Registry of over 200 thousand manufacturer Safety Data Sheets (SDS)
 - ✓ 28,000 safety data sheets added in 2016/17.
- Production of monthly *Current Awareness in Clinical Toxicology*

<http://www.npis.org>

UK Teratology Information Service



<http://www.medicinespregnancy.org>

bumps- best use of medicines in pregnancy

• **bumps** is provided by the UK Teratology Information Service (UKTIS)

1. To make reliable and accurate information openly available to women and their partners
2. To enable women to provide information directly to UKTIS



<http://www.medicinespregnancy.org>

UK Teratology Information Service



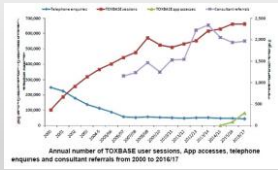
<http://www.medicinespregnancy.org>

- 300,412 page accesses (2016/17)
- 1,445,045 public information pages accessed on **bumps** (2016/17)

Poisoning is a common presentation

- 160,000 NHS Emergency Department attendances annually to UK hospitals

Overall NPIS service profile



NPIS Annual Report 2016/17



Does the NPIS have an impact?

Joint guidelines for laboratory analyses


The Association for Clinical Biochemistry & Laboratory Medicine
 Guidelines for laboratory analyses for poisoned patients in the United Kingdom
 Dr Thompson¹, Dr Wilson², BMK Thompson³, S Parry⁴, SHL Thomas⁵, P Easton⁶, JA Vail⁷, DN Baines⁸ and CV Krilavics⁹

Guidelines
 Laboratory analyses for poisoned patients: joint position paper
 National Poisons Information Service and Association of Clinical Biochemists

Antidotes

Royal College of Emergency Medicine and National Poisons Information Service Guidelines on the use of atropine in Toxicology Emergencies	
Indication	Atropine is used to treat bradycardia in patients with a heart rate of less than 50 beats per minute and who are symptomatic.
Contraindications	Atropine should not be used in patients with a known hypersensitivity to atropine or any of its components, or in patients with narrow angle glaucoma, myasthenia gravis, or severe prostatic hypertrophy.
Preparation	Atropine is available as 1mg/5ml oral solution and 1mg/10ml intravenous solution.
Dose	Atropine should be given as a single dose of 1-2mg intravenously or orally.
Monitoring	Patients should be monitored for tachycardia, dry mouth, blurred vision, and urinary retention.

Pesticides

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National toxicovigilance for pesticide exposures resulting in health care contact – An example from the UK's National Poisons Information Service

L. PERRY^{1,2}, R. D. ADAMS^{3,4}, A. R. BENNETT⁵, D. J. LIPPON⁶, G. JACKSON⁷, A. M. GOOD⁸, S. H. L. THOMAS⁷, J. A. VALLI⁹, J. P. THOMPSON¹⁰, D. N. BOSTMAN¹¹ and M. DEERINGTON¹²

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⁵Pharmaceutical, Toxicology and Therapeutics, UniversityBMF Centre for Condensation Science, University of Edinburgh, Edinburgh, UK

Drugs of abuse

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Patterns of presentation and clinical features of toxicity after reported use of [2-(aminopropyl)-2,3-dihydrobenzofurans, the "benzofuran" compounds. A report from the United Kingdom National Poisons Information Service

J. A. VALLI¹, R. D. ADAMS², D. J. LIPPON³, G. JACKSON⁴, A. M. GOOD⁵, S. H. L. THOMAS⁶, J. P. THOMPSON⁷, D. N. BOSTMAN⁸ and M. DEERINGTON⁹

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Analgesics

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ECG Abnormalities in Co-proxamol (Paracetamol/Dextropropoxyphene) Poisoning

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²Department of Clinical Pharmacology, Western General Hospital, Edinburgh, UK

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Cleaning products

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Hazard of household cleaning products: A study undertaken by the UK National Poisons Information Service

HAYLEY WILLIAMS,¹ EMMA MOYNS,¹ D. NICHOLAS BATEMAN,² SIMON H. THOMAS,³ JOHN F. THOMPSON⁴ and J. ALLISTER VALE⁵

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Paracetamol

Effect of the UK's revised paracetamol poisoning management guidelines on admissions, adverse reactions and costs of treatment

Impact of reducing the threshold for acetylcysteine treatment in acute paracetamol poisoning: The recent United Kingdom experience

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Does the NPIS have an impact?

EMCA, 104(2002), 2017
March 2018 10.1080/09502688.2017.1338738

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POISON CENTRE RESEARCH

Reductions in emergency department visits after primary healthcare use of the UK National Poisons Information Service

Muhammad E. M. O. Elamin¹, David A. James², Peter Holmes³, Gillian Jackson⁴, John P. Thompson⁵, Euan A. Sandilands⁶, Sally Bradberry⁷ and Simon H. L. Thomas⁸

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Discussion