EXTRAORDINARY MOBILIZATIONS of ANTIDOTES from the NATIONAL STOCKPILE to the HOSPITAL’S EMERGENCY DEPARTMENTS: an EXAMPLE of VERSATILITY and INTEGRATION of NATIONAL FUNCTIONS and SYSTEMS

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Charged by the Ministry of Health, the Pavia Poison Control Centre (PPCC) is the clinical unit responsible for:

- Diagnostic-therapeutic specialist consultation for non-conventional attacks
- SNA operational management (e.g. upgrade, distribution planning)
- Continuous training of the Italian National Health System (NHS)
Objective
To evaluate the National Antidotes Stockpile’s Extraordinary Mobilizations (EM) for clinical emergencies involving poisoned patients managed in a hospital setting, during a seven-year period

Methods
Studied period: **2008-2014**

For each EM authorized/made we have evaluated:

a) Cause of the extraordinary request
   - **CLINICAL INDICATIONS**
   - **ANTIDOTES AVAILABILITY/SHORTAGE** in the NHS hospital

b) National Antidotes Stockpile (NAS) involved

Results - 1

Total performed NAS-EM (2008-2014): **25**
Total nr. of patients: **28**

![SNA-EM annual distribution chart]

![Pie chart showing mobilized antidote and indication]

- **Organophosphates** (72%)
- **CN (fire smoke inhalation)** (20%)
- **Other Chemicals** (4%)

**Chelating agent**
- **Pralidoxime**
- **Hydroxocobalamin**
- **Prussian blue**
- **Tallium**
- **Metals (Pb, Hg, As)**

**Graph showing annual distribution**

- 2008: 2
- 2009: 3
- 2010: 5
- 2011: 1
- 2012: 4
- 2013: 6
- 2014: 4
Results - 2

Stockpile from where the antidotes have been mobilized

Antidote starting deposit

TO ...

... FROM

Italian Region with the number of hospitals receiving the antidote mobilized

Conclusion

✓ National Antidotes Stockpile is an essential facility to supply antidotes in extraordinary events and in case of temporary lack of antidotes in NHS hospitals

✓ The Italian current organization of SNA combine clinical toxicological expertise and antidotes supply in order to obtain diagnostic and therapeutic appropriateness