

EU Regulatory Network
Challenges and Opportunities for Croatia
5th ALMP Anniversary
13-14 November 2008, Rijeka - Croatia

**EudraVigilance to support
EU Pharmacovigilance Activities**

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5th Anniversary of the ALMP
13 – 14 November 2008
Rijeka, Croatia

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EudraVigilance - Overview

- EudraVigilance is the system to support EU pharmacovigilance activities
- It contains adverse reaction reports (Individual Case Safety Reports - ICSRs) for medicines licensed in the EU
- Such reports are received from National Competent Authorities (NCAs), marketing authorisation holders (MAHs) and Sponsors of clinical trials

Important milestones:

- EudraVigilance Post-authorisation Module (EVP) entered into production December 2001
- EudraVigilance Clinical Trial Module (EVCTM) entered in production May 2004
- Mandatory electronic reporting of ICSRs in the EEA as of 20 November 2005
- Release of the EudraVigilance Data Warehouse and Data Analysis System (EVDAS) to the EU NCAs on 2 July 2007
- Current number of reports (status 31 Aug. 08): 2.2 mill ICSRs

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What is the purpose of EudraVigilance?

- Support EU pharmacovigilance and risk management activities:** aim is the protection of public health
- Collection of suspected adverse reactions** in the pre- and post-authorisation phases
- Monitoring of reporting compliance** with expedited reporting requirements by NCAs and MAHs
- Ad hoc evaluation of potential safety issues**
- Monitoring of core risk profiles** as outlined in EU Risk Management Plan (EU-RMP)
- Support decision making process** at the level of the Committee for Human Medicinal Products (CHMP) and related working parties

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Data collected in EudraVigilance

Post Authorisation Module (EVP)

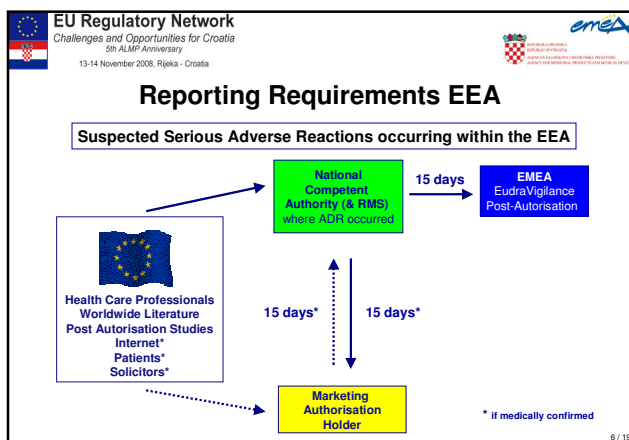
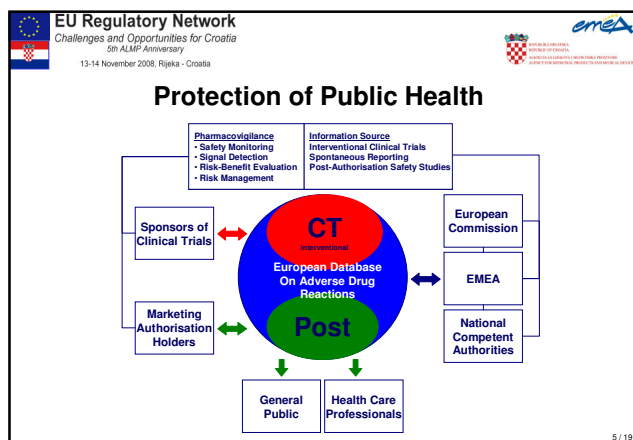
- Suspected serious adverse reactions
 - Health care professionals' spontaneous reporting
 - Post-authorisation studies (non-interventional)
 - Worldwide scientific literature (spontaneous, non-interventional)
- Suspected transmission via a medicinal product of an infectious agent

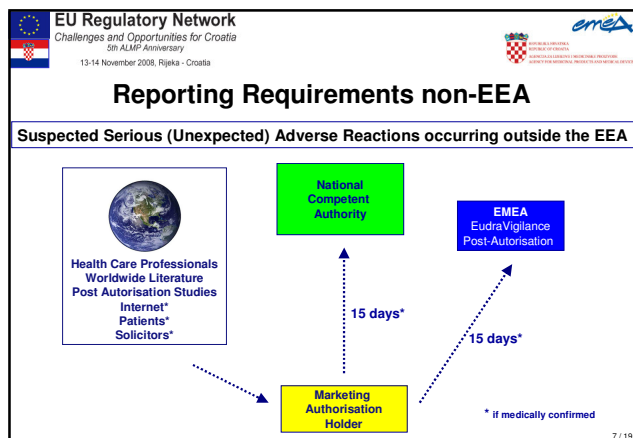
Applicable to all medicines authorised in the EEA independent of the authorisation procedure

Pre Authorisation Module (EVCTM)

- Suspected Unexpected Serious Adverse Reactions (SUSARs) reported by sponsors of clinical trials
 - Interventional clinical trials

Applicable to all investigational medicinal products for clinical trials authorised in the EEA





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EU Risk Management Plans and EudraVigilance

- **Electronic interface between EU-RMP and EudraVigilance**
 - Monitor identified and potential risks and important missing information as outlined in the EU-RMP Safety Specification
- **Integration of core risk profile in Reaction Monitoring Reports** generated in EudraVigilance to support pharmacovigilance activities for centrally authorised products
 - Risk monitoring (identification and characterisation)
 - Evaluation of the effectiveness of risk minimisation measures
- The interface between EU-RMP and EudraVigilance is a **living document** due at
 - Submission of final version of EU-RMP at time of CHMP Opinion
 - Each time the EU-RMP is updated in the future

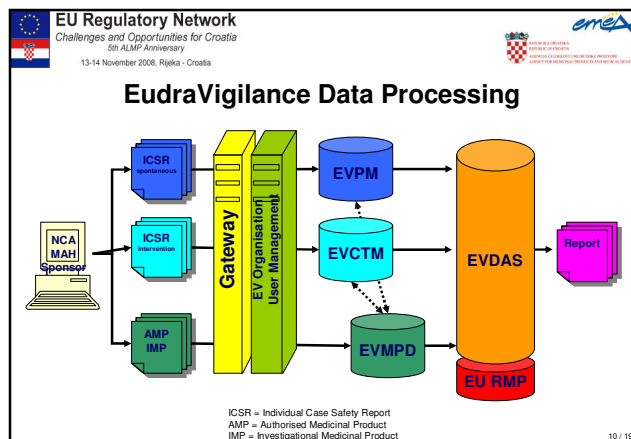
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EudraVigilance System - Functions

- **Data processing network** interlinking all National Competent Authorities in the EEA, the European Commission and the EMEA to exchange information in pharmacovigilance
- **Electronic data exchange** of adverse drug reaction reports in line with **ICH standards** (International Conference of Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use)
- **Unique repository** of EU and non-EU adverse drug reactions for development and authorised medicinal products
- Incorporates the international medical terminology **Medical Dictionary for Regulatory Activities (MedDRA)**

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General Aspects of Signal Detection

- **Signal Detection** describes a **routine review** of all ICSRs reported to EudraVigilance:
 - For each product under monitoring all reactions reported within defined timeframes are listed for each System Organ Class
 - Reviewed by scientific staff at the EMEA in collaboration with Rapporteur/Co-Rapporteur
- **'Signals'** are based on **statistical algorithms** (e.g. Proportional Reporting Ratio: an event is relatively more often reported for a medicinal product compared to the number of reports of this event for all other medicinal products in the database)
- Each signal requires **careful medical evaluation** to be confirmed as causally related with the product

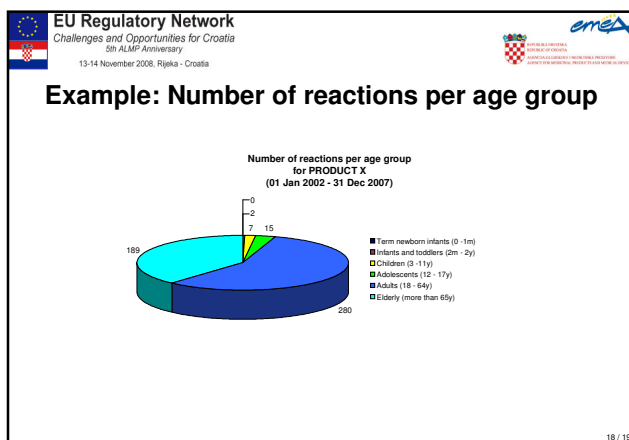
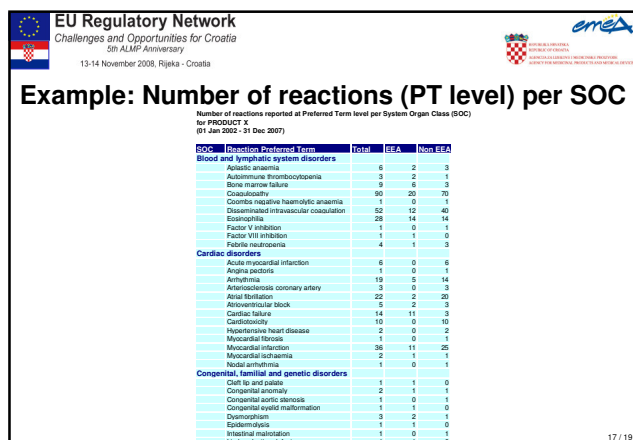
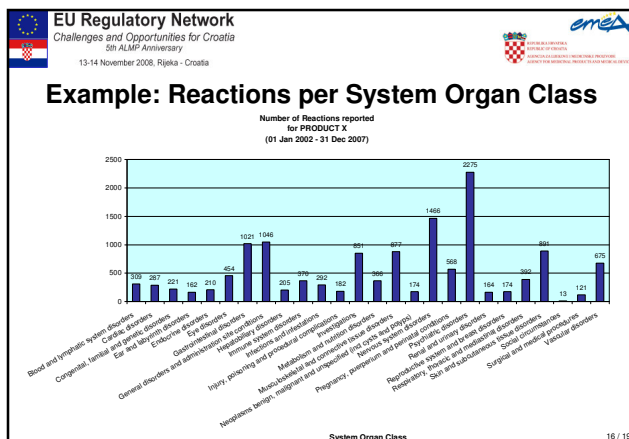
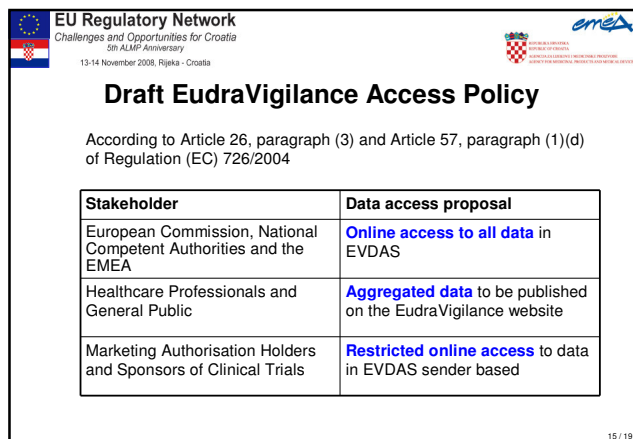
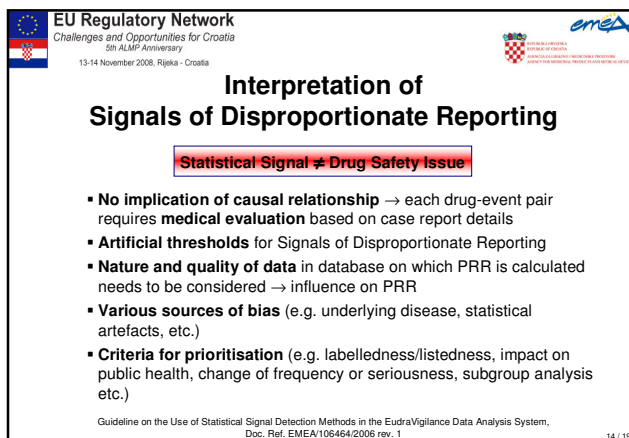
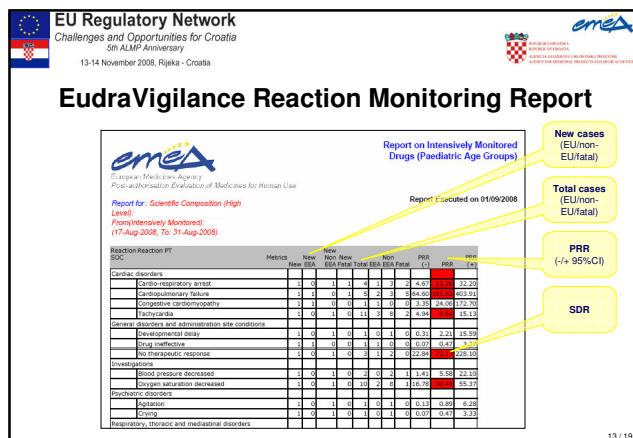
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EudraVigilance Reaction Monitoring Report

- **Reaction Monitoring Report** is generated based on:
 - All spontaneously reported ICSRs over the last 15 or 30 days to EVPM
 - Generated at active substance level
 - All reports flagged as "suspect" and "interacting" by sender
- **List of reactions (MedDRA Preferred Terms)** for each product at substance level, **ranked by System Organ Class (SOC)** indicating
 - New cases/fatal cases associated with reaction
 - Total number of cases
 - Origin (EU/non-EU) of cases
 - Proportional Reporting Ratio (PRR) and 95% Confidence Interval
- **Signals of Disproportionate Reporting (SDR)** are highlighted in red if
 - $N \geq 3$ and
 - Lower bound of 95% Confidence Interval of PRR ≥ 1

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AGENCIJA REPUBLIKE HRVATSKE
ZA VEŠTAČENJE IZ OBLASTI
POSREDOVANJE U PROMETU
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Acronyms

AMP	Authorised Medicinal Product
CHMP	Committee for Human Medicinal Products
EEA	European Economic Area
EMA	European Medicines Agency
EU-RMP	EU Risk Management Plan
EVCTM	EudraVigilance Clinical Trial Module
EVDAS	EudraVigilance Data Warehouse and Analysis System
EVMPD	EudraVigilance Medicinal Product Dictionary
EVPM	EudraVigilance Post-Authorisation Module
ICH	International Conference of Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use
ICSR	Individual Case Safety Report
IMP	Investigational Medicinal Product
MAH	Marketing Authorisation Holder
MedDRA	Medical Dictionary for Regulatory Activities ¹
NCA	National Competent Authority
PT	Preferred Term
RMS	Reference Member State
SDR	Signal of Disproportionate Reporting
SOC	System Organ Class
SPC	Summary of Product Characteristic
SUSAR	Suspected unexpected serious adverse reaction

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