

### The PAIN OUT project - an overview





### What is PAIN OUT?

A research project that aims at improving postoperative pain treatment outcomes by use of a toolkit consisting of

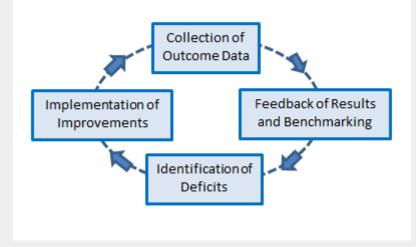
- 1. a benchmark module that feeds back outcomes
- 2. an electronic knowledge library

From 2009 to 2012, PAIN OUT was funded by the EC.





#### The PAIN OUT Process







# What are the advantages of joining PAIN OUT?

- Continuous feedback and analyses of own quality of care (quality assessment tool)
- Possibility of change management concepts by evaluating own results
- Research opportunities
- Better patient care if results lead to improvements
- Being part of the world's largest network of clinicians involved in acute pain treatment





### Which patients can be included?

Currently, there are 3 PAIN OUT modules:

- PAIN OUT standard (post-op adult patients)
- PAIN OUT follow-up (after 6 and 12 months)
- PAIN OUT infant (post-op pediatric patients)

Additional modules in preparation: PAIN OUT outpatient, PAIN OUT obstetrics





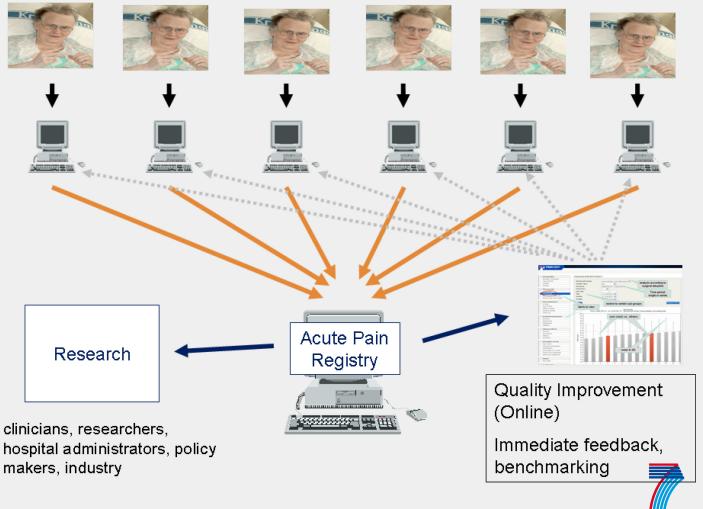
### How is it done?

- 1 a) Collection of patient outcome data (based on the APS-POQ-R questionnaire)
- 1 b) Collection of process data (demographics, medical history, pre-, intra- and postoperative medical treatment)
- 2) Input of data into web-based data entry mask
- 3) Feedback of results via the benchmarkserver





#### Feedback & Benchmarking





COOPERATION



### 1. Collection of data

#### Patient outcome questionnaire and process questionnaire collected on paper form

	cess_26.pdf - Adobe Acrobat Standard
	Anzeige Dokument Kommentaire Formulare Werkzeuge Erweitert Fenster Hilfe • 🔬 Debeien zusammenführen • 🔬 Exportieren • 🔐 Schützen • 🥒 Unterschreiben • 🍚 Überprüfen und kommentieren •
	- 🖕 Daten zusammentumen - 💊 Exponent - 📷 Schuzen - 🎢 Unterschreiben - 🦵 Uberprufen und kommetteren -
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PATIENT CODE:	Page 2 Mark medications <i>given</i> to patient; record <i>cumulative</i> doses. PATIENT CODE:
PATIENT OUTCOMES QUESTIONNAIRE	MEDICAL HISTORY
	H1 Comorbidities
e following questions are about pain you experienced since your surgery.	H1 Comorbialties
	yes no not possible to obtain the information
	If yes, which (check all that apply):
1. On this scale, please indicate the <b>worst pain</b> you had since your surgery:	Cancer Cancer
0 1 2 3 4 5 6 7 8 9 10 6	Renal Renal insufficiency or disease without dialysis Renal disease requiring dialysis
o pain worst pain possible	Psychiatric         Affective disorders (depression, anxiety, phobia, PTSD, bipolar disorder)         Schizophrenia           Alcohol use disorder         Current smoker         Substance abuse of drugs (legal and illegal)
	Cardiovascular Hypertension 🗖 Coronary artery disease or myocardial infarction or cerebral vascular acciden
P2. On this scale, please indicate the least pain you had since your surgery:	Hematology Dickle cell disease
0 1 2 3 4 5 6 7 8 9 10	Gl disease Gl disease Crohn's disease, ulcerative colitis)
no pain worst pain possible	Pulmonary disease Asthma Sleep apnea Chronic Obstructive Pulmonary Disease (COPD)
	Neurologic 🗖 Fibromyalgia
P3. How often were you in severe pain since your surgery?	Steroid use Regular administration of oral or parenteral corticosteroid medications
Please circle your best estimate of the percentage of time you experienced severe pain:	Multiple trauma At least 1 fracture(s) / laceration(s) / tissue damage in addition to the current reason for surgery
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%	Other surgery Detection De
never in severe pain always in severe pain	Other, specify:
	H2 Existing condition (check medical record)
P4. Circle the one number below that best describes how much, since your surgery, pain interfered	Pregnancy, Week: not relevant not possible to obtain the information
with or prevented you from	□ Lactation □ not relevant □ not possible to obtain the information
a. doing <b>activities in bed</b> such as turning, sitting up, changing position:	H3 Did the patient receive any opioid(s) before the current admission?
0 1 2 3 4 5 6 7 8 9 10	yes no not possible to obtain the information
At a second	



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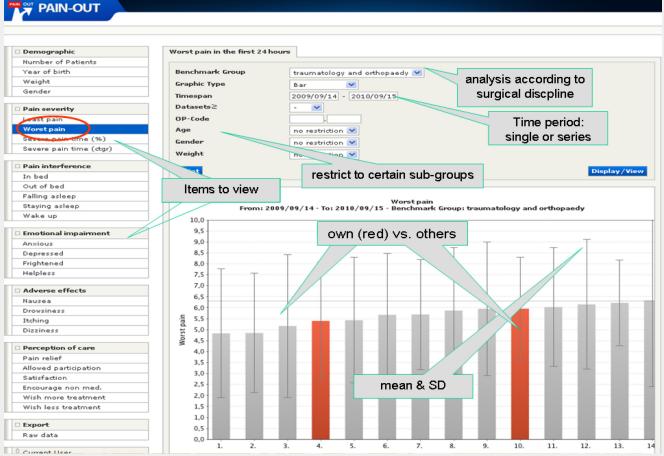
### 2. Inputting of data into webmask

PAIN-OUT		
Pain Out Scr	Site code (access by password)	
Base Module	ATA COLLECTION	Save
	A DATE OF DATA COLLECTION: 2010/09/14 B TIME OF DATA COLLECTION: 14:25 [hh:mm]	
Patient code (anonymous)	0 10 10 10 0000     110 ▼       DATES     110 ▼       SAR8VSUPWQ	
\$1	INCLUSION CRITERIA 1. Time of data collection is POD1 AND patient is 6 hrs (minimum) in the ward.	O YES O NO
Items from questionnaire	2. Patient is consenting age or over.	YES NO
	<ol> <li>Patient has not undergone repeat surgery (same organ) during current hospitalization.</li> <li>4. Patient is in ward, available for interview.</li> </ol>	O YES ○ NO
	5. Patient has given his assent (or consent) to participate.	O YES O NO
	6. Patient is able to fill in questionnaire on his \her own, unaided (include also patients who need help filling in the questionnaire for technical reasons).	O YES O NO
	Reason why patient is unable to fill in the questionnaire on his \ her own (select):	





#### 3. Online feedback of results

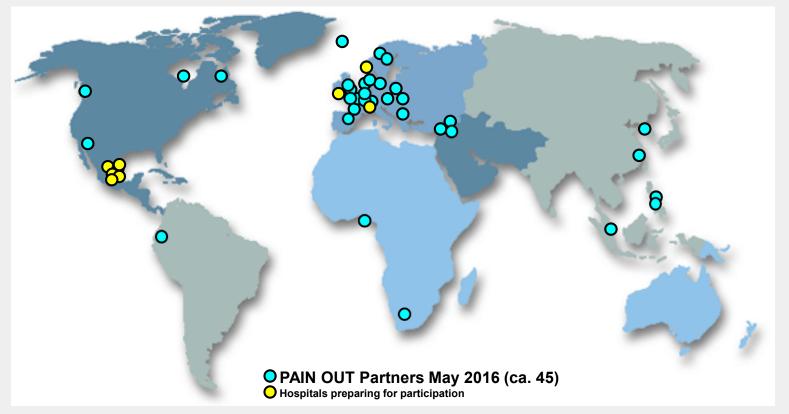








#### PAIN OUT participants May 2016







## **Requirements for participation**

- Data collectors must be able to read English
- Staff resources: to get meaningful results, you should be able to collect a minimum of 20 datasets/month/ward; one dataset takes around 20 minutes
- Technical requirements: computer with internet access
- Application at local ethics committee
- Signature of PAIN OUT contract (annual fee: 1,500 €)





### How to join the network?

#### www.pain-out.eu

### or e-mail to: painout@med.uni-jena.de

