



# Which way goes addiction research in and for the EU?

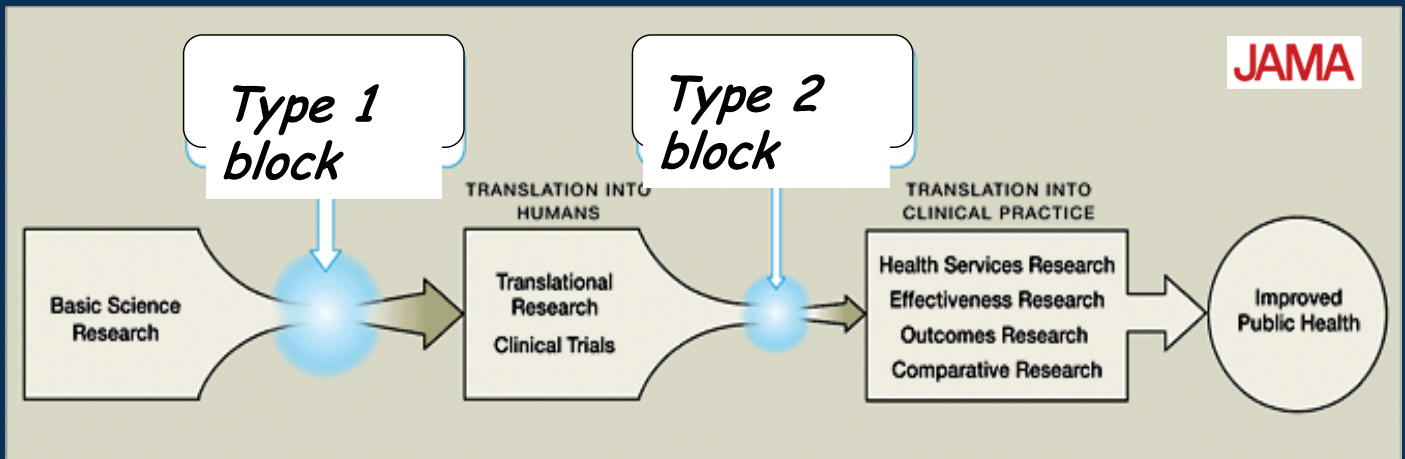
*Marina Davoli  
Zurich, 10 September 2013*

**Patients, clinicians, carers, payers, and policymakers require reliable information when making health and social care decisions.**

**The path for implementing research into practice has unfortunately been slow**

## The long journey of research

Two Translational Roadblocks on the Way Toward Improved Public Health



Crowley, W. F. et al. JAMA 2004;291:1120-1126

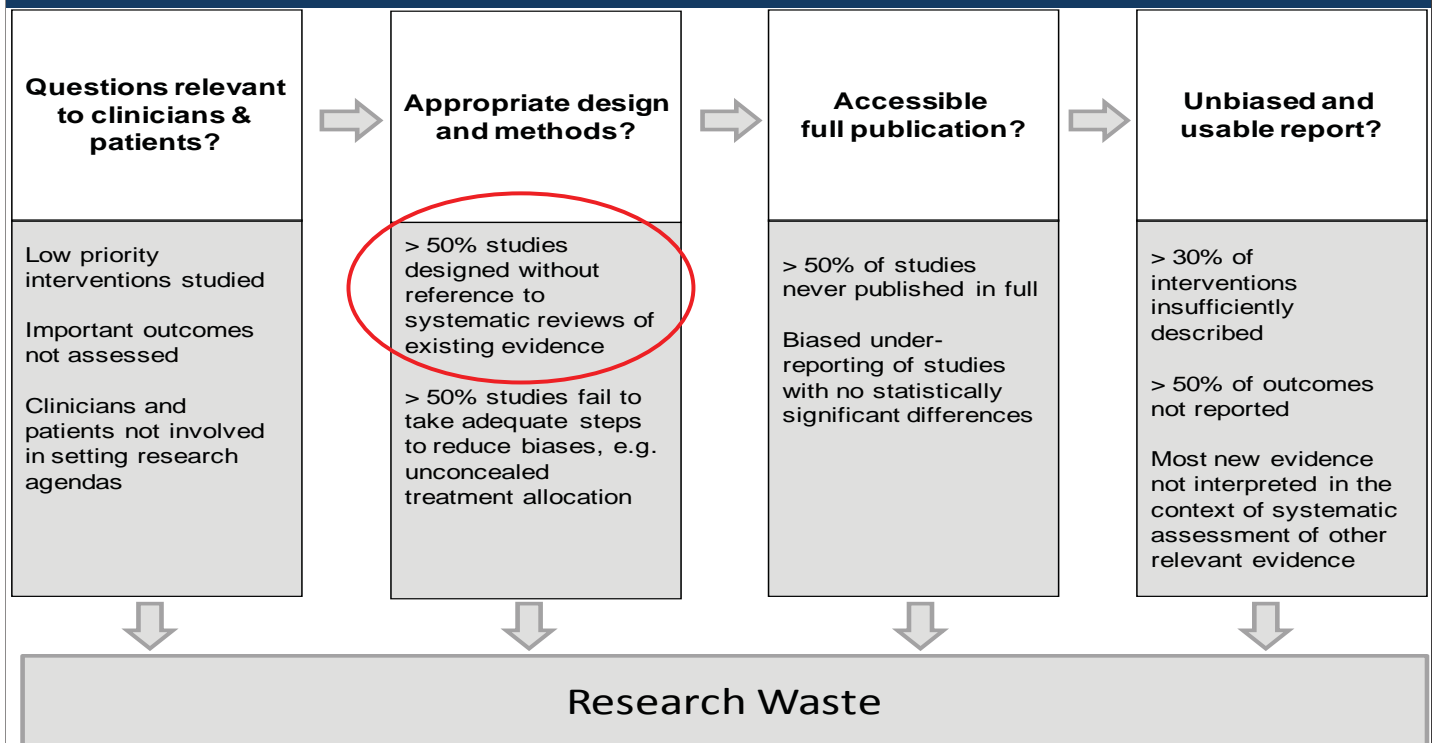
## What's wrong in this logical path?

- Research often does not address relevant questions
  - For patients/people
  - For carers
  - For health services
- There is evidence of great waste in research
- Information has limited applicability for services configuration and policy making
- Knowledge per se does not shape clinical practice
- Cultural and organisational factors interfere with the implementation of effective practices

## W Avoidable waste in the production and reporting of research evidence

Iain Chalmers, Paul Glasziou

Lancet 2009; 374: 86-89 Without accessible and usable reports, research cannot research involving patients have be



## How useful are Cochrane reviews in identifying research needs?

Lorcan Clarke, Mike Clarke, Thomas Clarke

UK Cochrane Centre, NHS R&amp;D Programme, Oxford, UK

**Objectives:** To determine the extent to which reports of Cochrane reviews recommend the need for further research and, if so, the extent to which they make suggestions regarding that research.

**Methods:** We examined all 2535 reviews in Issue 4, 2005 of *The Cochrane Library*. Each review was categorized on the basis of whether a suggestion was included about specific interventions, participants, or outcome measures that should be included in future research. We also identified the frequency with which reviews conclude that no more research is needed or feasible, noted the need for further systematic reviewing, and referred to a relevant ongoing or planned study. We also report the number of studies listed in the 'Ongoing Studies' section in each review.

**Results:** Only 3.2% of reviews suggested explicitly that no more research is needed or feasible. In 82.0% of reviews, suggestions were made as to the specific interventions that need evaluating, in 30.2% the appropriate participants were suggested, and in 51.9% outcome measures were suggested. Suggestions for all three domains were made in 16.9% of the reviews. While 11.6% did not include a specific suggestion about any of these domains, 21.2% of reviews mention a relevant ongoing or planned study in one or both of the 'Implications for Research' and the 'Ongoing Studies' sections.

**Conclusions:** Most Cochrane reviews identify residual uncertainty and are a rich source of suggestions for further health-care research.

# *Cochrane Drugs and Alcohol Group*



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involvement*

*Statistical advise*



*Cochrane Drugs and Alcohol Group*

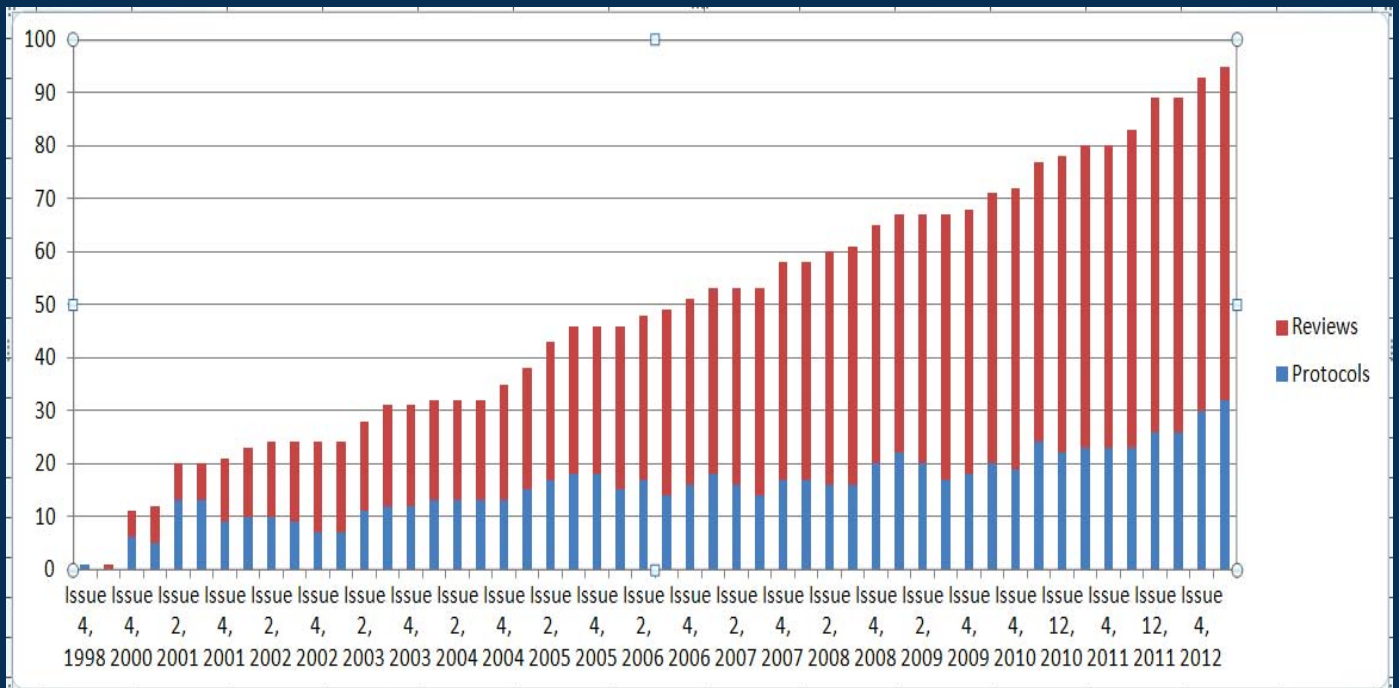


*The editors*

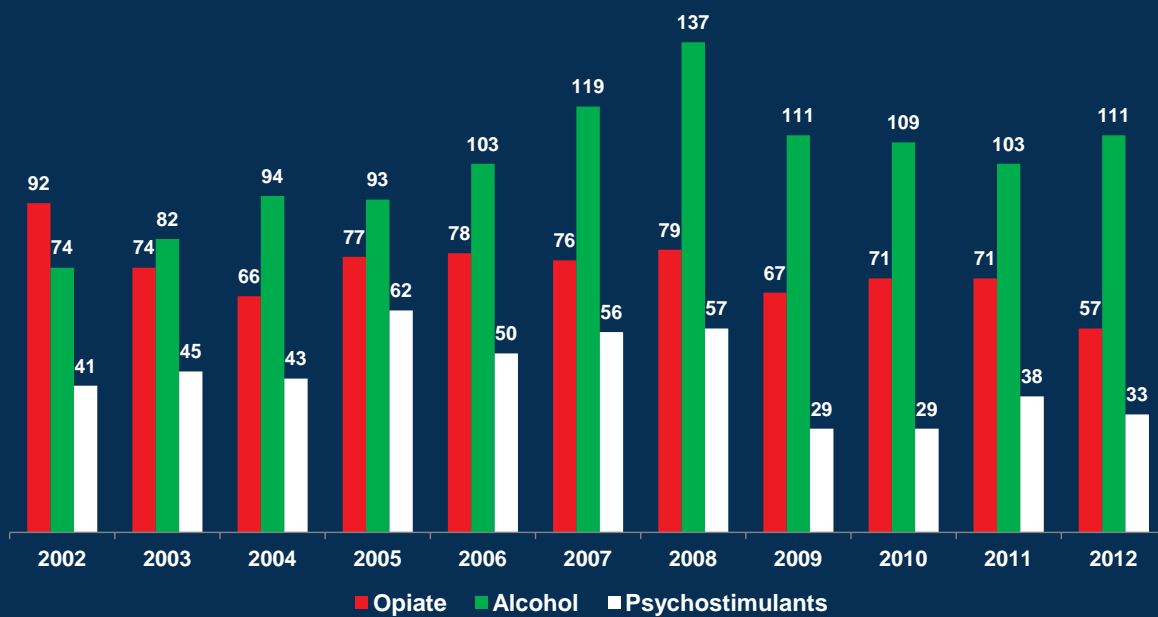


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# CDAG Reviews and protocols published per year



# Reports of studies published per year (Register CDAG) 2327 studies/about 6000



# State of the art CDAG publications (CLIB 08.2012)

<http://www.cdag.cochrane.org>

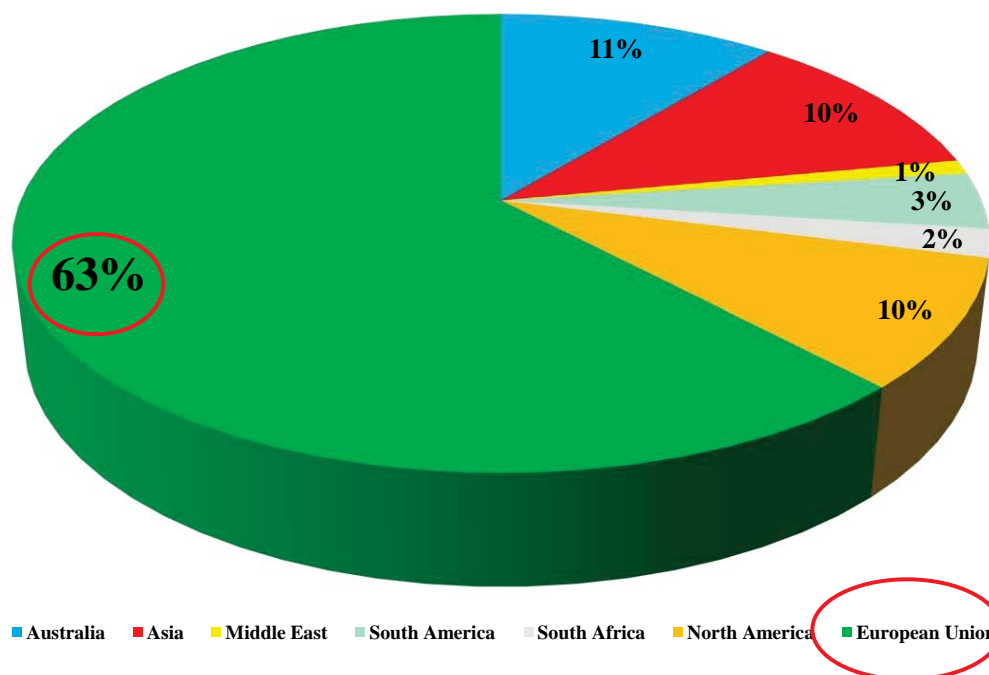


Substance of abuse	N° reviews	Total studies considered	N° Excluded studies	N° Included studies	% of Included studies	N° Participants
Opiate	24	975	701	274	28%	44869
Alcohol	15	657	413	244	37%	38409
Psychostimulants	11	309	177	132	43%	12073
Other	4	82	63	14	17%	1791
Poly drug	5	356	253	103	29%	33193
Prevention	8	704	543	161	23%	396580
<b>Total adjusted*</b>	<b>67</b>	<b>3061</b>	<b>2150</b>	<b>906</b>	<b>30%</b>	<b>522336</b>

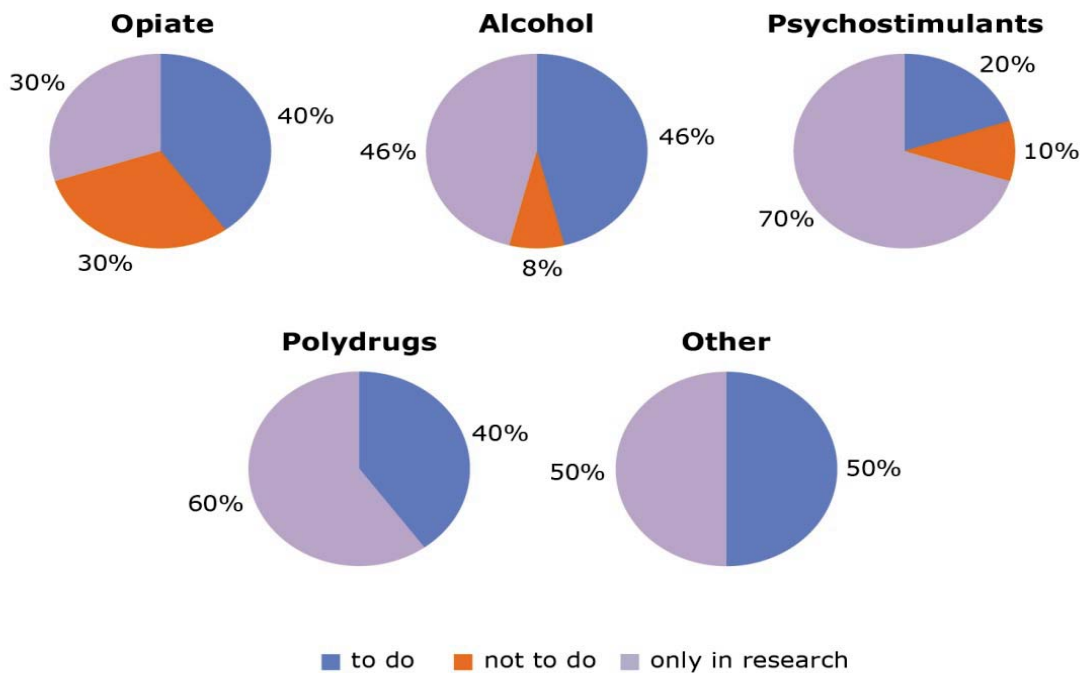
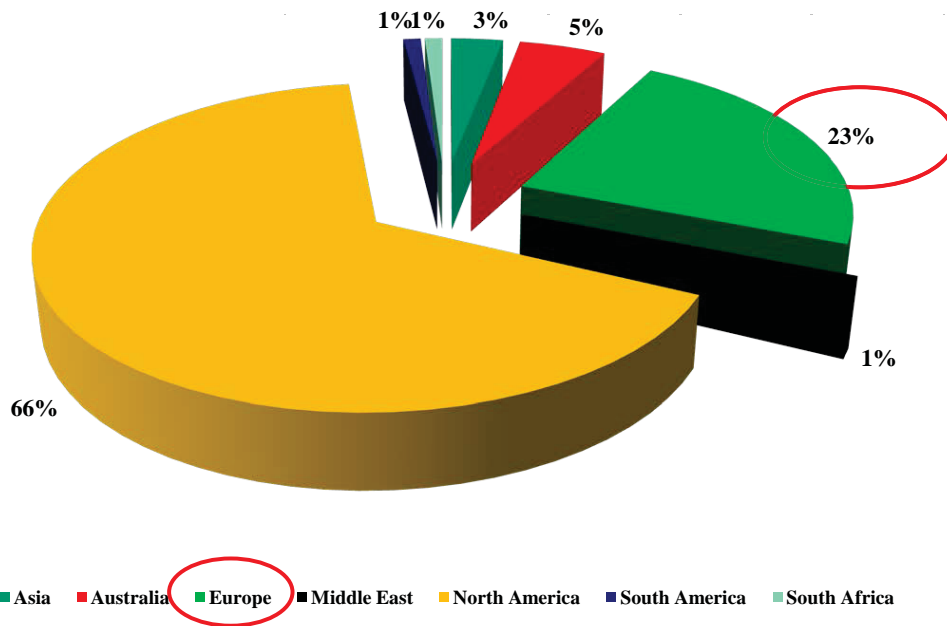
\*22 studies in common



## Country of origin of Authors (N=376) of Cochrane Reviews published with CDAG

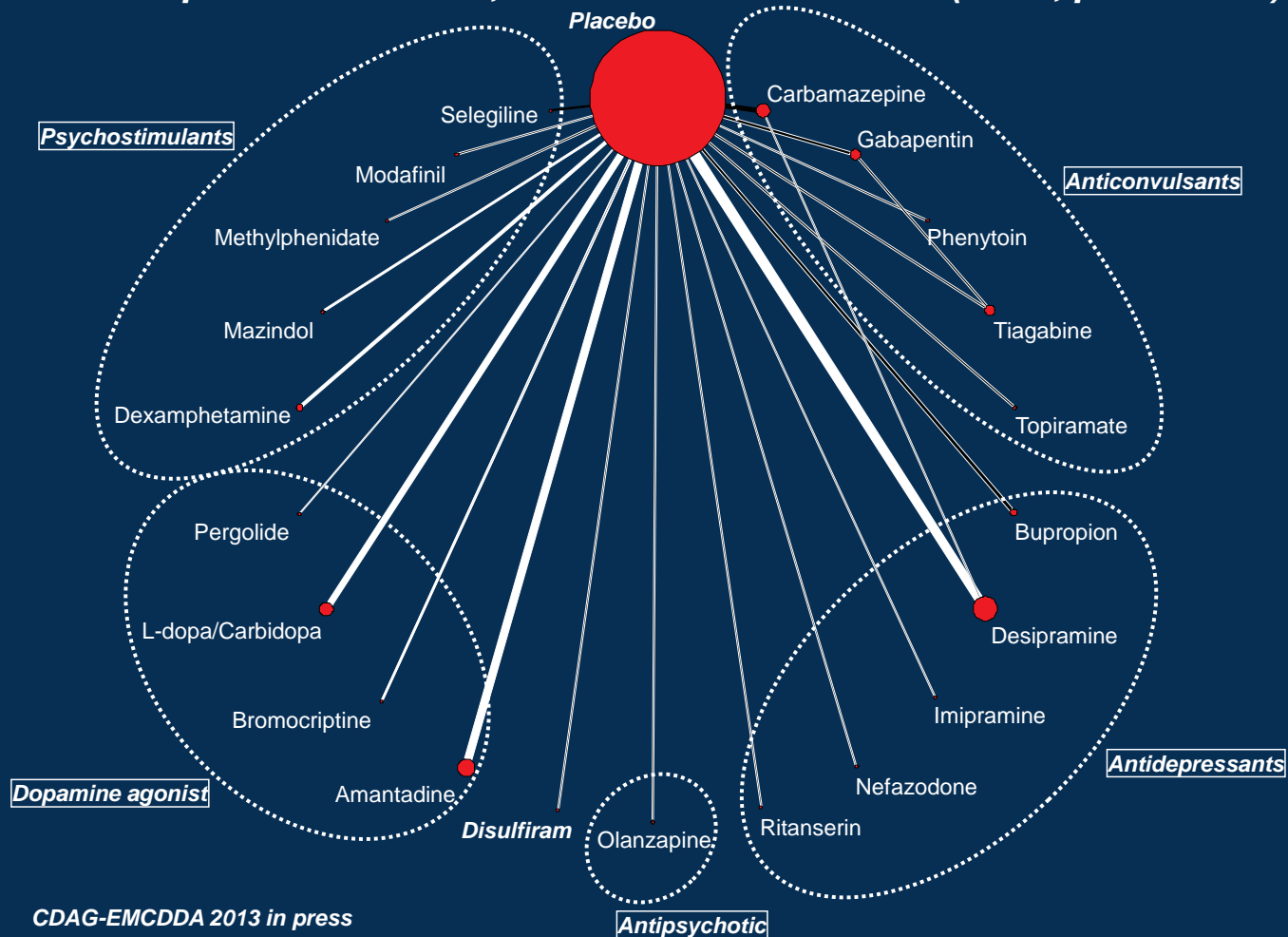


# Country of origin of included studies N= 906



<http://clinicalevidence.bmj.com/x/set/static/cms/efficacy-categorisations.html>

# Cocaine – pharm. treatment; outcome use of cocaine (N=41, part = 3099)



European Monitoring Centre  
for Drugs and Drug Addiction

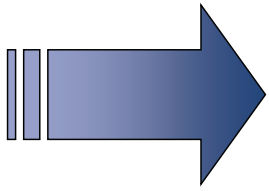
## Gap analysis in drug demand reduction research: protocol for a pilot study on treatment

Marica Ferri, Marina Davoli, Alessandra Bo, Laura Amato and  
Sandy Oliver

Lisbon, 11th May 2012



## *Gap analysis in drug demand reduction research*



***An overview of the available evidence allows***

- 1. to assess the state of the art***
- 2. to identify gaps and needs for further research***

***This supports the EMCDDA commitment to develop a Research Priority Framework***



## *Gap analysis in drug demand reduction research*

### ***Key points of the study***

- it is a pilot project***
- focus on treatment***
  - an area where more experimental evidence exists***
  - an area where there is a perceived need for wider consideration of non experimental evidence and patients' needs***
  - to benefit from the experience of the James Lind Alliance in neutrally facilitating identification of research priority***
- building on the state of the art of research capacity in Europe - Comparative Analysis of Research into Illicit Drugs in the European Union, EC 2009***



### **Methods**

#### **1) To identify the state of the art**

- ***information contained in the EMCDDA Best Practice Portal***
- ***Analysis of the “implication for research” section of Cochrane Reviews***



#### **2) To identify the relevant research gaps**

- ***building on the experience of the James Lind Alliance we interviewed a sample of privileged witnesses from different European countries***

***~~ The sample is not intended to be representative but rather to enable us collecting ideas and needs ~~***

- ***the interview was based on semi-structured questionnaires and will be administered via email***

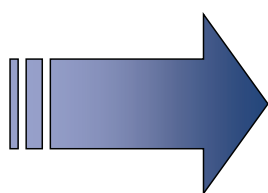


# IMPLICATION FOR RESEARCH SECTION IN COCHRANE SYSTEMATIC REVIEWS: AN EXAMPLE

Tab.1 Synthesis of the implication for research sections in a sub-sample of the systematic reviews on treatment of drug addiction published by The Cochrane Group on Drugs and Alcohol.

Target group	Summary of available evidence	"implications for research" as highlighted by the reviewers (when available) i.e. areas or topics for which specific studies are needed	Sources
Therapeutic communities	There is insufficient evidence to establish whether TCs are more effective at reducing drug use and health and social outcomes associated with drug use in comparison with an alternative treatment.	<ul style="list-style-type: none"> <li>studies should retain everyone in the analysis to help to answer clinically relevant questions (e.g. if someone is assigned to a TC, what proportion are for example, drug free or crime free not just during treatment but also after discharge)</li> <li>studies on cost-effectiveness of TC</li> <li>systematic reviews of observational research in this area</li> </ul>	1 SR
Amphetamine users	According to the current evidence, there are no data supporting a single treatment approach that is able to tackle the multidimensional facets of amphetamine addiction patterns.	<ul style="list-style-type: none"> <li>the consideration of outcomes such as: stages of motivation and readiness to change, patient satisfaction, functioning, and health-related quality of life</li> <li>psychosocial interventions for treating psychostimulants dependence</li> <li>the clarification of optimal dose and duration of any psychosocial treatment and minimum intensity of treatment</li> <li>specific interactions between patient characteristics and treatment modalities</li> <li>therapist effects</li> <li>neurotoxicity of amphetamines</li> <li>continued or episode regimens of antipsychotic medications following resolution of acute amphetamine psychosis</li> <li>spontaneous remission</li> </ul>	5 SR

## Gap analysis in drug demand reduction research: preliminary results



**Surveyed N=174 (practitioners, decision makers, researchers, individuals from patients' organization);  
Respondents=56 (33%)**



## *Gap analysis in drug demand reduction research: preliminary results*

### **POPULATION**

1. people dependent on individual drugs (i.e. cannabis, cocaine, amphetamines, ghb, *opioid users*);
  - > aging drug users
  - > occasional users, young people using in recreational settings
  - > people who use multiple drugs;
2. people with mental health comorbidity
3. **health professionals**
4. **others, i.e. family, policy makers**



## *Gap analysis in drug demand reduction research: preliminary results*

### **Insight - Population**

**health professional / carers:** *what type of questions raised?*

- effects of training;
- effects of education on treatment of dual diagnosis;
- effects of introduction of standards;
- impact of carers' individual beliefs in the choice of treatment for their patients;
- how to identify "predictors" of success



## *Gap analysis in drug demand reduction research: preliminary results*

### **INTERVENTIONS:**

1. Interventions for management of treatment, eg.
  - service provision
  - matching of treatment and clients
  - protocols for prompt referrals
2. Treatment interventions, eg.
  - co-morbidity and dual diagnosis interventions
  - long term after-treatment strategies to support recovery
  - interventions for parents and children
3. Treatment setting, eg.
  - therapeutic communities
  - residential treatment long and short term



## *Gap analysis in drug demand reduction research: preliminary results*

### ***Points for discussion:***

*The answers are consistent across different respondents.*

*The general feeling is that*

- *Components and predictors of OST success (long term trajectories, quality of life measures, social inclusion interventions)*
- *know more on “non-opioid problems”;*

*Co-morbidity and young people dependence are often mentioned;*

*The long list of “proposed questions for research” will be made available in a internet section*



# Conclusions

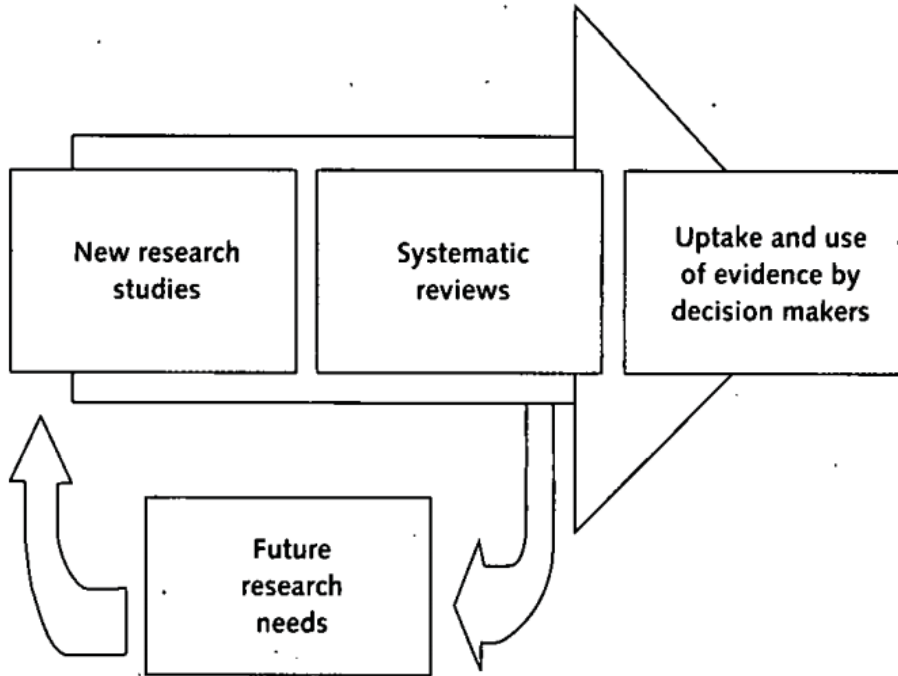
- *To select priorities, gap analysis should be the preferred method*
- *How to promote more gap analysis?*
- *Promote a systematic review “research” programme in other relevant areas of intervention to identify gaps*
  - ✓ *Liase with Campbell Collaboration*
  - ✓ *Other ....*
- *Promote a wider consultation (more inclusiveness)*



## A wishful process to define the research agenda

- **Research is planned:**
  - considering sistematically what is already known
  - focussing on relevant uncertanties for patients/people, their carers and policy makers
  - taking applicability and generalizability into account

*Figure. Cycle and effect of new research.*



Chang SM et al. Ann Int Med 2012

let's invest in  
research, maybe we  
are lucky enough to  
find something

