

Clinical Trials Regulation Transparency & Commercially Confidential Information (CCI) in early phase clinical research

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Definition "Early Phase (Phase 1)" Research for the purpose of this presentation

Clinical trials

- in IMP & IMP/device combinations
- non-paediatric
- non-publicly funded
- performed in healthy volunteers and/or
- in patients with the target disease –
 who are not expected to gain any health benefit through study participation and
- in which therapeutic efficacy is not a primary objective of the clinical trial

Overview

- Aims of the EU Clinical Trials Regulation
- Its new transparency requirements affecting Phase 1 studies
- Regulatory requirements in relation to public accessibility of Phase 1 clinical trials' registration information and summary reports
 - US
 - Requirements of the International Committee of Medical Journal Editors (ICMJE)
- Potential benefits and risks arising for patients, health professionals and the public out of increased public accessibility of Phase 1 information
- Proposal of simple, transparent process and risk-benefit balanced approach to make Phase 1 trial registration information and summary reports publicly available in stages

Key aims of the Clinical Trials Regulation

"to boost clinical research in Europe by simplifying the rules for conducting clinical trials"

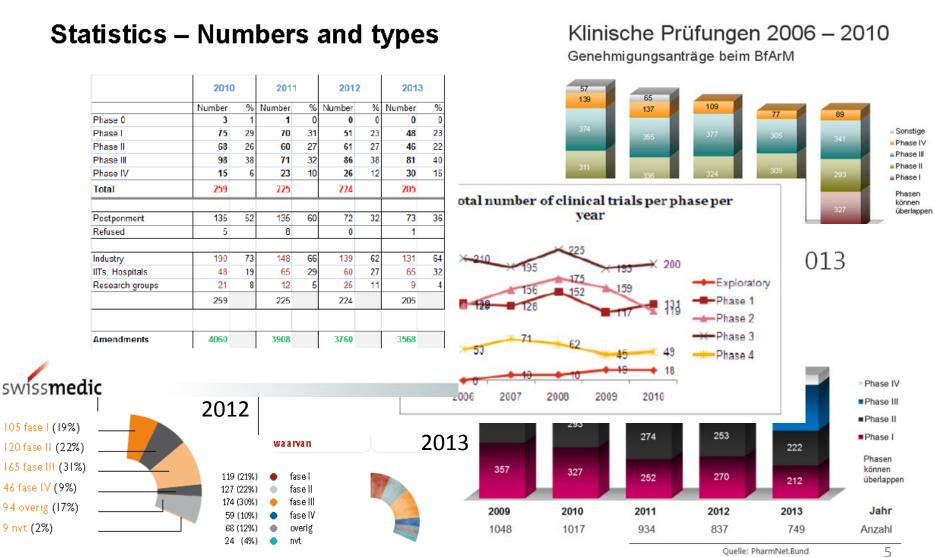
to give patients access to the most innovative clinical research and treatments, and to improve existing treatments

"clinical research" [...] investment [...] makes a significant contribution to the growth policy of the Europe 2020 agenda [...]. Very significant costs "could be saved in regulatory costs and boost research and development in the EU, thus contributing to economic growth."

To reverse some unfavourable effects of the 'Clinical Trials Directive' of 2001 which has contributed "to a decrease of 25% of clinical trials conducted in the period between 2007 and 2011"

European Commission Press Release 17 July 2012: "Fostering EU's attractiveness in clinical research: Commission proposes to revamp rules on trials with medicines"

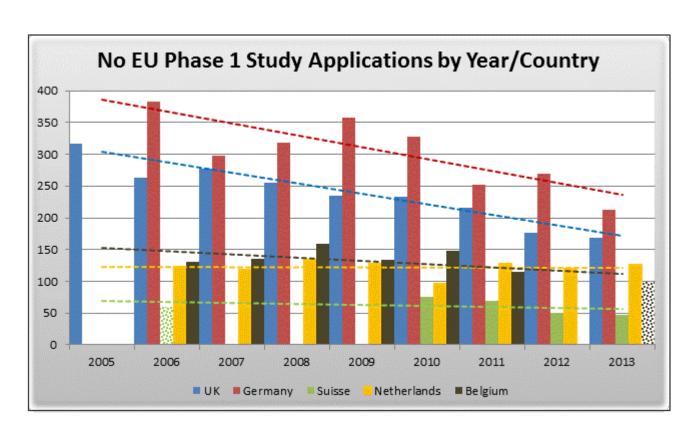
Research on Regulatory Web-Sites



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EU

CTA data from regulatory agencies show a decline in Phase I trials, Most notably for the UK and Germany. Particularly the Netherlands have shown a consistent number of trials over the entire period of this survey.



Note:

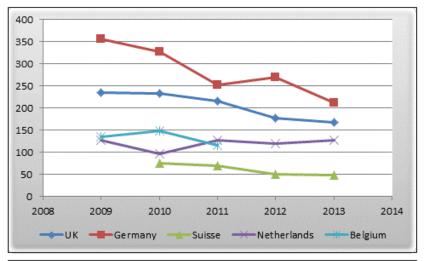
The data has been extracted form the regulatory agencies' official publications: Belgian and Swiss data were incomplete: therefore the 2013 (Belgium) and 2006 (Switzerland) numbers were extrapolated (shaded bars) to allow for an assessment of trends.

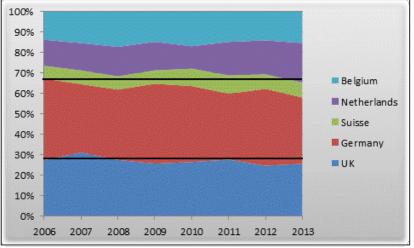
Phase I Trials EU: main players only

There is an overall decline in the number of Phase I studies conducted in Europe.

Only the Netherlands have achieved a constant number of trials and have therefore extended their relative market share.

	% change peak to last
UK	-47%
Germany	-45%
Suisse	-36%
Netherlands	-5%
Belgium	-28%





CTR: new transparency requirements for Phase 1 studies in Europe

Once the CTR is implemented, Phase 1 studies

- must be registered on a publicly accessible international trials registry platform of the World Health Organization (WHO ICTRP)
- and published as summary reports and lay summaries within one year from the end of a clinical trial
- for marketing authorisation applicants to publish clinical study reports within 30 days of a regulatory decision on the application being taken
- The information will be published by the EU database's publication module.
- The CTR permits commercially confidential information to remain confidential, i.e. this type of information does not need to be publicly accessible.

REGULATION (EU) No 536/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on clinical trials on medicinal products for human use, and repealing Directive 2001/20/EC

Draft functional specifications for the EU portal and EU 3 database to be audited 4, 10 October 2014 1 EMA/42176/2014 2

Commercially Confidential Information

- Article 67 [...] "Publicly available information contained in the EU database should contribute to protecting public health and fostering the innovation capacity of European medical research, while recognising the legitimate economic interests of sponsors."
- Article 81: 4. "The EU database shall be publicly accessible unless, for all or part of the data and information contained therein, confidentiality is justified on any of the following grounds:
 - protecting personal data in accordance with Regulation (EC) No 45/2001;
 - protecting commercially confidential information, in particular through taking into account the status of the marketing authorisation for the medicinal product, unless there is an overriding public interest in disclosure;"

US: what are the FDA requirements in relation to registration and submission of results?

Name	Туре	Intervention Type	Registration	Results Submission
			Policy Scope	Policy Scope
Section 801 of the Food	U.S. Federal law enacted	Drugs, biologics, and	Controlled clinical	Same scope as
and Drug Administration	in 2007	devices	investigations of a Food	registration, but
Amendments Act (FDAAA			and Drug Administration	interventional studies of
801) (PDF)			(FDA)-regulated drug,	FDA-approved drugs,
			biologic, or device, other	biologics, or devices
			than Phase 1	
			(drugs/biologics) or small	
			feasibility studies	

What are the registration requirements for publication in accordance with the ICMJE?

- Registration of all interventional studies, including Phase 1 studies as a condition of the publication of research results generated by a clinical trial
- Completion of at least the 20-item standardized WHO trial data registration set
 - British Journal of Clinical Pharmacology
 - European Journal of Clinical Pharmacology
 - American Journal of Clinical Pharmacology
 - PLOS One (Open access)

are not listed as journals following the International Committee of Medical Journal Editors' recommendations

http://www.icmje.org/recommendations/browse/publishing-and-editorial-issues/clinical-trial-registration.html

http://www.icmje.org/journals-following-the-icmje-recommendations/#C

Examples of potential benefits of publication of Phase 1 trial registration for patients, health professionals and the public

There is a need to ensure that decisions about health care are informed by all of the available evidence

Provide information to potential participants and referring clinicians

Improving awareness of similar or identical trials will make it possible for researchers and funding agencies to avoid unnecessary duplication

Making researchers and potential participants aware of recruiting trials may facilitate recruitment

Help institutional review boards (IRBs)

determine the appropriateness of a research

study

Most potential benefits of registration

[stated on ClinicalTrials.gov and WHO/International Clinical

Trials Registry Platform (ICTRP)]

are not applicable to

Phase 1

non-therapeutic

non-paediatric

non-publicly funded clinical trials

Courses

ClinicalTrials.gov: https://clinicaltrials.gov/ct2/manage-recs/background;
WHO/International Clinical Trials Registry Platform (ICTRP): http://www.who.int/ictrp/trial-reg/en/; https://www.who.int/ictrp/results/en/; CTR

Potential benefits of publication of Phase 1 (lay) summary results for patients, health professionals and the public

Provide a public record of basic study results in a standardized format

Promote the fulfilment of ethical obligations to participants and the overall contribution of research results to medical knowledge

Facilitate systematic reviews and other analyses of the research literature

Relevance for the various purposes and benefits may occur at different times during a drug or drug/device development process. This may be earlier or later than one year from the end of a Phase 1 trial.

Reduce publication and outcome reporting biases;

There is a particular concern that trial results which may be viewed as "negative", are less likely to be submitted, or accepted, for publication in the scientific literature or made public in other ways

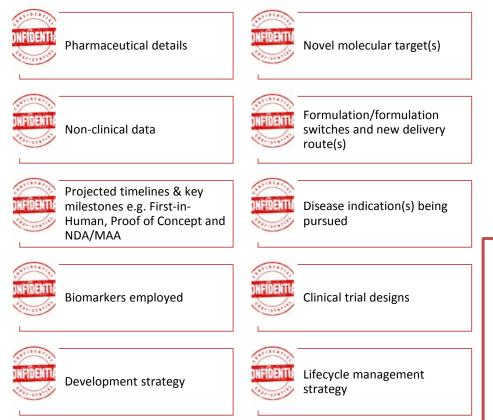
The underreporting of unfavourable data can lead to duplication of work and safety issues. Due to the nature of Phase 1 studies, this is unlikely to affect ongoing clinical research at informed about study design and safety information and any changes thereof.

Potential risks of early publication of

Phase 1 registration and (lay) summary results

for patients, health professionals and the public

Information that may be considered commercially confidential:



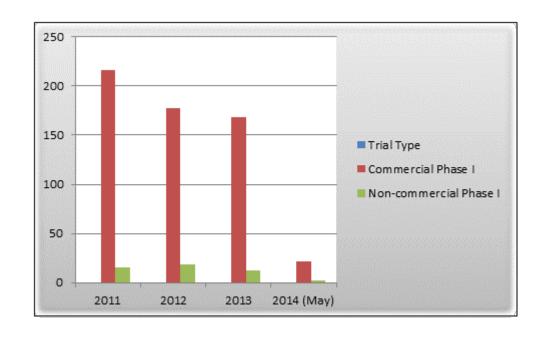


In locations outside Europe the risks in relation to early disclosure of commercially confidentially information will be less.

Sponsors may choose to conduct early phase and follow-on later phase studies outside Europe

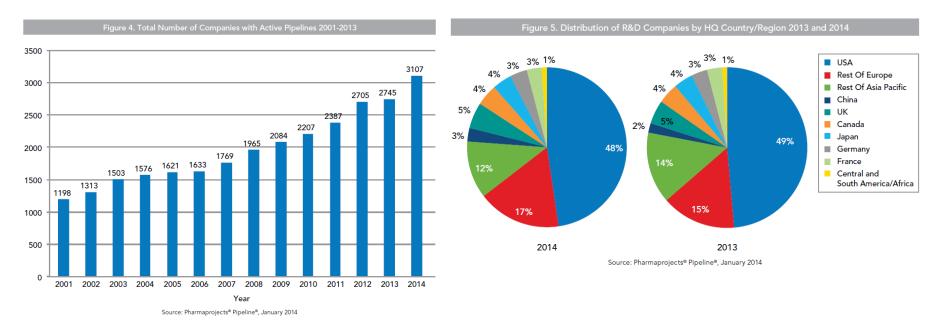
Phase I Trials non-commercial vs commercial

There is only a very small number of **non-commercial** trials in the UK.



Note: The data has been extracted form the regulatory agencies' official publications

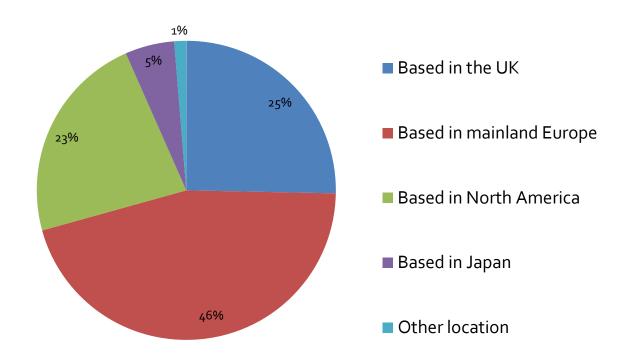
Transformation of the Pharma R&D Ecosystem



- The number of companies with active drug development projects has increased from 1,576 to 3,107 (+97%) between 2004 - 2014
- Only c. 10% of drugs in the pipeline originate from Top 10 Pharma
- The majority of companies are SMEs that rely on external investment (venture capital or public markets)
- 95% of these companies are headquartered outside of the UK, with the majority in the USA

UK CROs' dependence on international sponsors

- A 2014 survey of UK-based CROs showed their sponsor base to be heavily dependent on non-UK based clients (75%)
- Nearly a quarter of sponsors come from North America although for some CROs, US sponsored trials can make up nearly 60% of their work

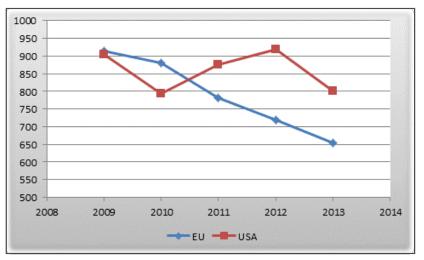


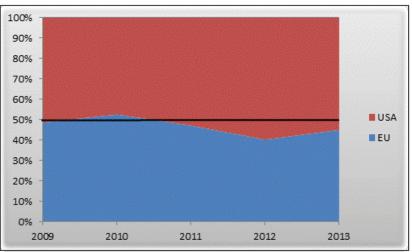
Phase I Trials EU vs USA

There is an overall decline in the number of Phase I studies conducted in the western hemisphere.

In the USA this decline is 12% from the peak in 2009 in EU it is twice that at 23% comparing 2013 to 2009.

Consequently the market share between the continents has shifted in favour of the USA.





One proposed process for publication of

Phase 1 registration information and results

balancing benefits and risks within the remit of the CTR

(1) First stage public access to registration information

To make a limited amount of non-commercially confidential registration information publicly accessible via the EU database following clinical trial authorisation and prior to study commencement

(2) Further public access to registration information and (lay) summary reports

The clinical study protocol defines all further publication milestones in relation to development phases rather than actual dates

These milestones are approved as part of the protocol by way of the regulatory authorisation to conduct the clinical trial

(3) Substantial Modifications

Any changes to the authorised publication process and timelines are submitted as a Substantial Modification and need to have regulatory authorisation prior to implementation.

(1) First stage public access to registration information (based on current EudraCT database, subheadings only)

Α	Trial Identification
A1	Member State (Country in which the submission is made)
A2	EudraCT number
A3	IMP name only, no study title
A4	Sponsor's protocol number
A5	Additional international study identifiers, if available
A6	Re-submission Y/N
A7	Part of Paediatric Investigation Plan Y/N
A8	EMA decision number of PIP
В	Identification of the sponsor
B1	Sponsor details
В3	Commercial/non-commercial
B5	Contact point designated by the sponsor for further information on the trial
С	Applicant Identification
C1	Request for the Competent Authority
C2	Request for the Ethics Committee
E	General information on the trial
E7.1	Trial Phase (to confirm "applicability", i.e. Phase 1)
F	Population of trial subjects
F1	Age range (to confirm "applicability", i.e. non-paediatric study).

(2) Further public access to registration information

Voluntary full publication prior to study start

Publication when information becomes relevant in relation to the development plan

- Sponsor determines and justifies the publication timelines in the CSP when applying for Clinical Trial Authorisation.
- Timelines will depend on the nature of the study and the relevance of the information for the public

Publication due to termination of a study on safety grounds

 The CSP should state what will happen in case of study termination due to safety issues (e.g. remaining registration information and the reason for termination will be automatically published following notification of termination through the Safety/EU portal)

(2) Further public access to (lay) summary reports

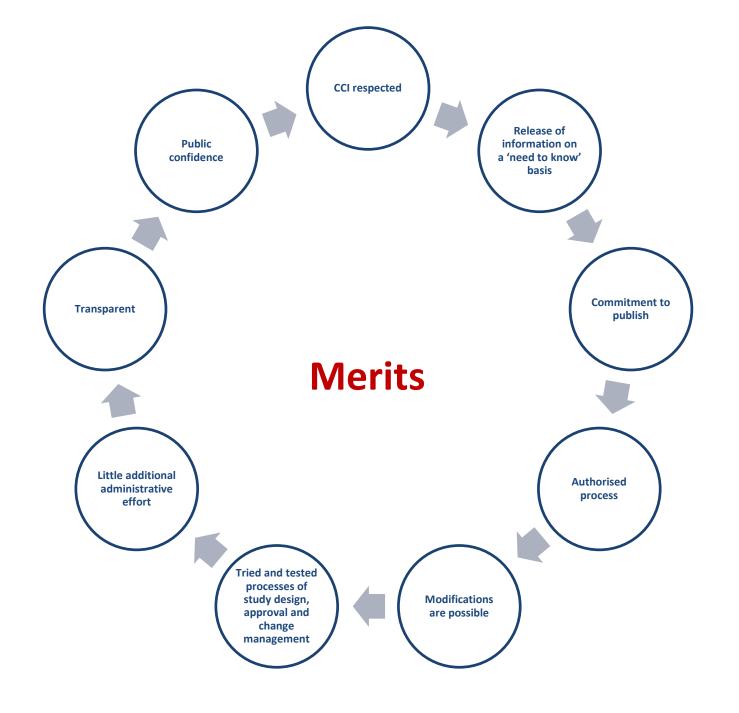
Voluntary publication within one year from the end of a study

Publication in case of termination of a study on safety grounds

 The CSP should state that this will occur within one year from the end of a study

Publication when information becomes relevant in relation to the development plan

• The CSP submitted to the EU portal specifies and justifies when the summary report and lay summary will become publicly available via the EU database publication module





Thank You!