


Topics

- A regional network of Clinical Trials Registries
- Requirements and compliance with ICTRP standards and best practices
- How the regional platform is being developed

I am Luciano Ramalho...

- A new hire at BIREME
 - consultant since Aug. 2009, employee Jan. 2010
 - software development supervisor
 - report to Renato Murasaki (MTI)
- A veteran of the Web
 - since 1994, as CTO of Brasil Online at Abril S/A, the 1st national news and entertainment portal
- A veteran of Open Source
 - active contributor since 1998
- Library and IS degree (almost)



A regional network of Clinical Trials Registries



login

para serviços personalizados

Pesquisa na BVS

Entre uma ou mais palavras

Todos os índices

Todas as fontes

Pesquisar

método: ☒ integrado ☐ por palavras ☐ por relevância ☐ google

pesquisa via descritores DeCS/MeSH

Fontes de Informação

Literatura Científica e Técnica

Ciências da Saúde em Geral

LILACS, IBECs, MEDLINE, Biblioteca Cochrane, SciELO

Portal de Evidências

Revisões Sistemáticas, Ensaios Clínicos, Sumários de Evidência, Avaliações Econômicas em Saúde, Avaliações de Tecnologias em Saúde, Diretrizes para Prática Clínica

Áreas Especializadas

ADOLEC, BBO, BDEF, CidSaúde, DESASTRES, HISA, HOMEINDEX, LEYES, MEDCARIB, REPIDISCA

Organismos Internacionais

PAHO, WHOLIS

LIS- Localizador de Informação em Saúde

DeCS- Terminologia em Saúde

Acesso a Documentos

SCAD- serviço de cópia de documentos, Catálogo de revistas científicas

Diretórios, Portais

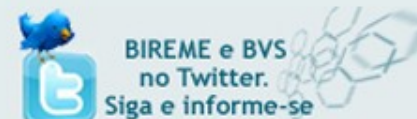
Diretório de eventos

Destaques



1 2 3 4

Twitter



Newsletter BVS

Rede de Notícias BVS

"Proteção social em saúde" norteia o programa científico do CRICS9

América Latina e Caribe compartilham acesso livre à Biblioteca Cochrane na BVS

BVS publica hot site sobre Urbanismo e Vida Saudável no Dia Mundial da Saúde 2010

Saúde da Mulher e Saúde Materno-Infantil na BVS se fortalecem no âmbito regional

Capacitações LEYES promovem o desenvolvimento da BVS Legislação em Saúde



Campus Virtual de Salud Pública

ARGENTINA

Recursos Educativos

Argentina

Buscar

RED Nodos CVSP

CVSP Regional

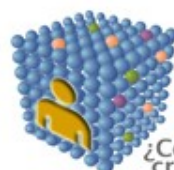
- BRASIL
- CHILE
- COLOMBIA
- COSTA RICA
- CUBA
- MEXICO
- PERU
- CISS

Noticias Red CVSP

- Noticias Cuba: Convocatoria II Taller virtual nacional de ISSS
- Noticias Cuba:

Bienvenidos al Campus Virtual de Salud Pública de Argentina

Una red para **crear, compartir y colaborar** en los procesos educativos de Salud Pública.



¿Cómo crear?



¿Cómo compartir?



¿Cómo colaborar?

NOTICIAS

Invitación a participar de un WEBINAR

Submitted by adminargentina on Thu, 04/22/2010 - 14:02

Start: 00/00/

Timezone:

Aprendizaje en Red

- Aula Virtual
- Red REA/OER
- Biblioteca Virtual

Instituciones

- Ministerio de Salud de la Nación - Dirección Nacional de Capital Humano y Salud Ocupacional
- ESP Buenos Aires
- ESP Córdoba
- ESS-FBCB-UNL
- FLACSO
- Universidad Nacional de la Plata- CUFAR
- Universidad Nacional de la Plata- INUS
- ISALUD



Scientific Electronic Library Online

SciELO Network

About SciELO
Bibliometric Indicators
Access via OAI and RSS
Old Portal SciELO.org

collections

Argentina
 Brazil
 Chile
 Colombia
 Cuba
 Spain
 Portugal
 Venezuela
 Public Health
 Social Sciences

in development

Bolivia
 Costa Rica
 Mexico
 Paraguay
 Peru

Search article

method Entry one or more words where
integrated Regional
Indexes (Regional): country, author, keyword, title, organization, publication year, document type, original language

Browse journals

Search by journals

Entry one or more words

By alphabetic list - all

A B C D E F G H I J K
L M N O P Q R S T U V
Z

By subject - all

Agricultural Sciences
Applied Social Sciences
Biological Sciences
Chemistry
Engineering
Exact and Earth Sciences

SciELO in numbers

Site usage
Citations
Co-authors

636 Journals
16,862 Issues
254,153 Articles
5,127,542 Citations

New

Last Update - 25/apr/2010

78 Issues

Services on Demand

User Authentication

e-mail or login:

password:

[registry](#) | [forget my password](#)

Highlights



News

BVS

Países

- Angola
- Argentina
- Barbados
- Belize
- Bolivia
- Brasil
- Cabo Verde
- Chile
- Colômbia
- Costa Rica
- Cuba
- El Salvador
- Ecuador
- Espanha
- Guatemala
- Guiné-Bissau
- Honduras
- México
- Moçambique
- Nicarágua
- Panamá
- Paraguay
- Peru
- República Dominicana
- São Tomé e Príncipe
- Timor Leste
- Trindade e Tobago
- Uruguai
- Venezuela

Existing regional networks

VHL / BVS

Scielo

Virtual Campi

RED Nodos CVSP

CVSP Regional

- BRASIL
- CHILE
- COLOMBIA
- COSTA RICA
- CUBA
- MEXICO
- PERU
- CISS

collections

- Argentina
- Brazil
- Chile
- Colombia
- Cuba
- Spain
- Portugal
- Venezuela
- Public Health
- Social Sciences

in development

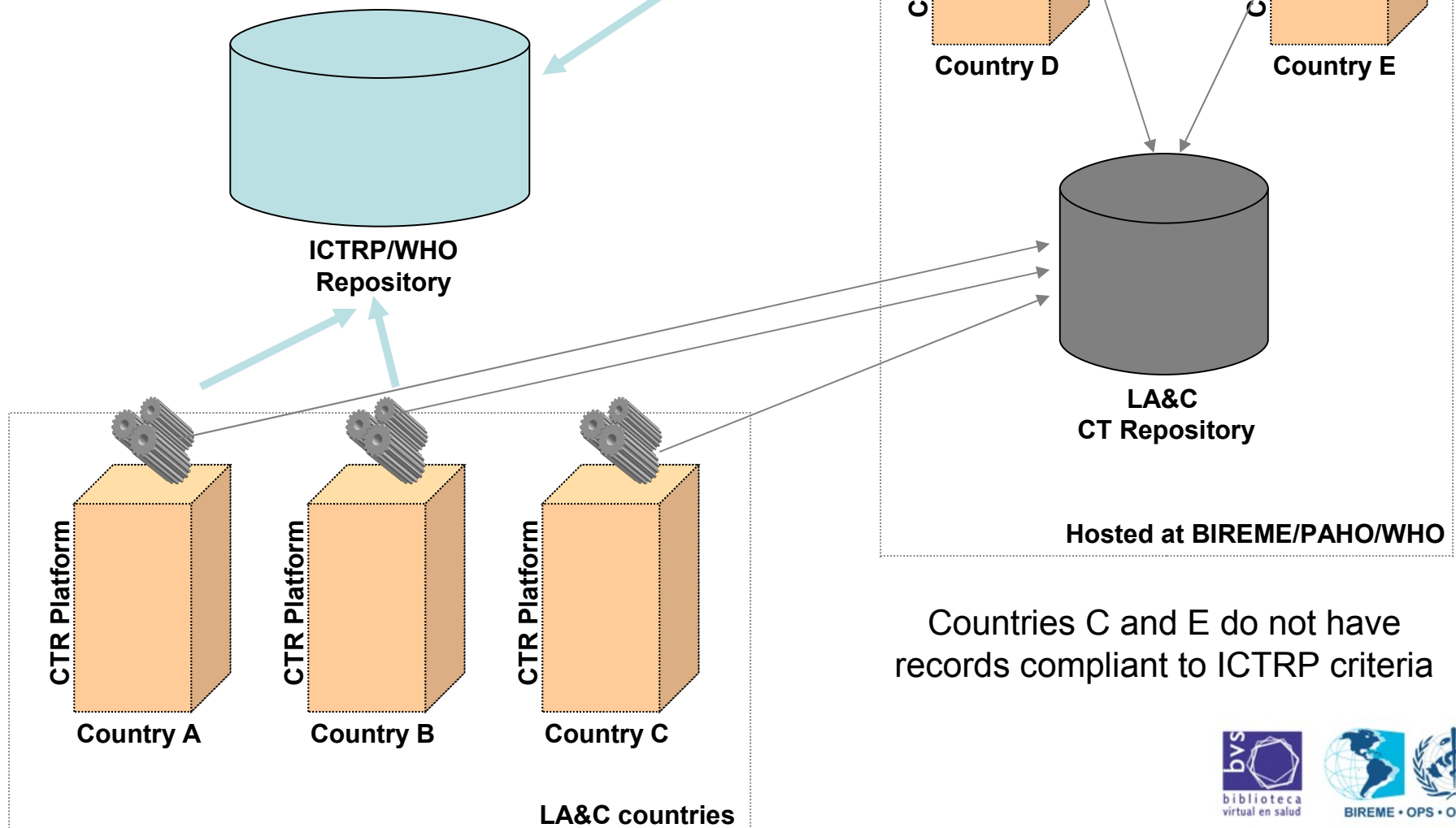
- Bolivia
- Costa Rica
- Mexico
- Paraguay
- Peru
- South Africa
- Uruguay

A regional network of Clinical Trial Registries

- Following the successful model of VHL, CVSP, Scielo and ScienTI
- Countries may choose to host their own registries, or use our hosting facilities
- Countries may choose to develop their own software, or adapt and use the open platform we are presenting today
- Developing national capabilities to monitor clinical trials

LA&C CTR Platform

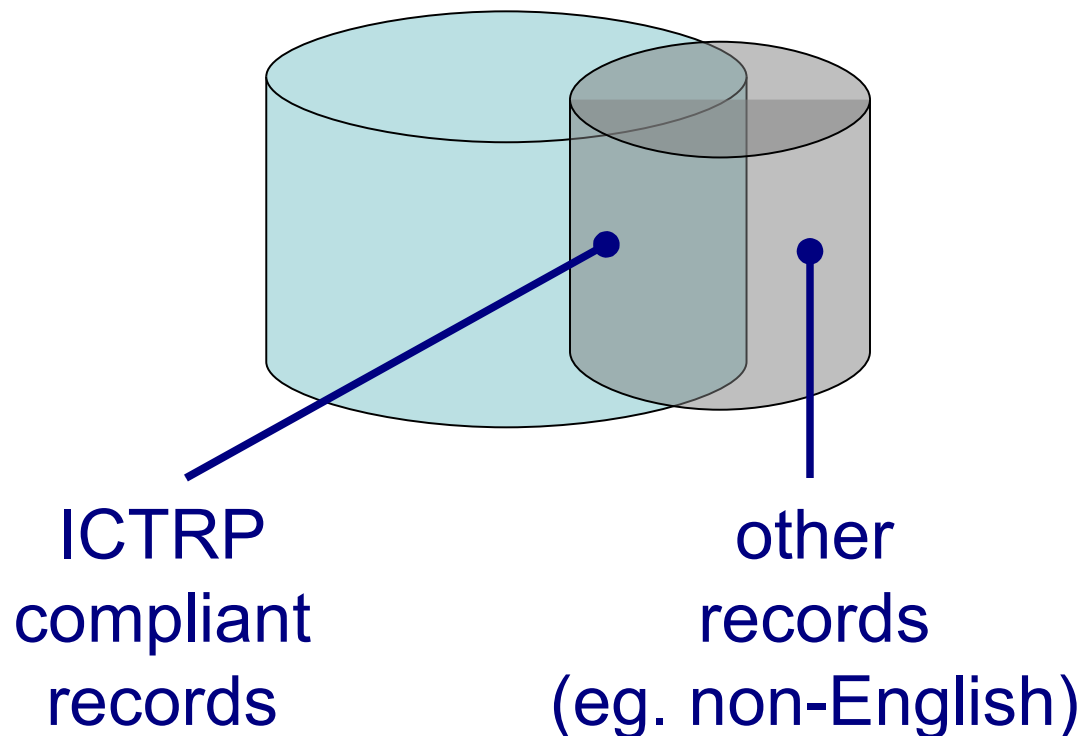
Interoperability among countries,
ICTRP/WHO and LA&C CT Repository



Distribution of CT records

**ICTRP/WHO
Repository**

**LA&C
CT Repository**





Requirements and compliance with ICTRP standards and best practices

Clinical Trials Register Platform

Requirements and specification documents

- [DomainReferences](#): background material for the Clinical Trials application domain
- [TrialRegistrationDataSet](#) (TRDS) [ES|PT-BR]: minimum required information for a registered clinical trial
 - Administrative Fields: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#)
 - Scientific Fields: [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#)
- [ControlledVocabularies](#): sources of terms used to describe values in some TRDS fields.
- [UserStories](#): high-level system requirements
 - [FiocruzStories](#), [BiremeOpasStories](#), [DecitMsStories](#), [AnvisaStories](#)
- [UserRoles](#): profiles of users of a CTRP instance
- [PublishingWorkflow?](#): life cycle of a trial record
- [BestPractices](#): standards agreed or under discussion by the IC RTP Best Practices Group
- [SearchCriteria](#): criteria for filtering trial records in the advanced search interface
- [WorkBreakdown](#): main modules of the system
- [OpenQuestions](#): answers needed
- Executive Comittee Meetings:
 - 2009: [Fiocruz Oct. 2009](#), [Fiocruz Nov. 2009](#), [BIREME Dec. 2009](#)
 - 2010: [Elluminate Jan. 2010](#), [BIREME Jan. 2010](#), [Fiocruz Feb. 2010](#), [Elluminate Mar. 2010](#)
- Consultative Comittee Meetings: [BIREME Jan. 2010](#), [Fiocruz Feb. 2010](#)

project documentation
and status:
public and live

Technical documents

- [RegistrationDataModel](#): mapping of the TRDS to XML elements and RDB entities.
- [WebPlatform](#): analysis and selection of tools for this project
- [HowTo](#)
- [Codings](#)

<http://reddes.bvsalud.org/projects/clinical-trials>

WHO International Clinical Trials Registry Platform (ICTRP)

- [🔗 ICTRP Search Portal](#)
- [🔗 Main WHO ICTRP Web site](#)
- [🔗 The Universal Trial Number \(UTN\)](#)
- [🔗 WHO Trial Registration Data Set \(TRDS\)](#)

ICMJ: International Committee of Medical Journal Editors

- [🔗 Uniform Requirements for Manuscripts](#): Obligation to Register Clinical Trials

ClinicalTrials.gov

- [🔗 PRS: Protocol Registration System](#): includes data elements definitions

Attachments

- [Building a WHO Primary Registry profile template V2.0.pdf](#) (30.8 kB) - added by *renato.murasaki* 9 months ago. "The aim of this form is to help the ICTRP Team to assess whether or not your registry meets the requirements of a WHO Primary Registry. Completing it is the first step in the process of becoming a WHO Primary Registry. For more information on the questions asked on this form please go to the ICTRP web site."
- [TRDS_confirmation.pdf](#) (19.0 kB) - added by *renato.murasaki* 9 months ago. "WHO Trial Registration Data Set: Reg"
- [WHO Primary Registry criteria for registries V2.1.pdf](#) (24.7 kB) - added by *renato.murasaki* 9 months ago. "W"
- [vision-report-0-7-pdf.pdf](#) (238.8 kB) - added by *luciano.ramalho* 8 months ago. "Vision Report: Clinical Trials Register the Caribbean"
- [ICTRP Data format 1.1 .doc](#) (209.0 kB) - added by *luciano.ramalho* 7 months ago. "ICTRP Data Format 1.1"
- [buenaspracticasspanol.pdf](#) (0.9 MB) - added by *Claudio.Nishizawa* 2 months ago. "Boas Práticas Clínicas - Documento das Américas - espanhol"
- [boaspraticas_america.pdf](#) (0.6 MB) - added by *Claudio.Nishizawa* 2 months ago. "Boas Práticas Clínicas - Documento das Américas - PortuguêsBrasil?"

domain
references

Edit this page

Attach file

<http://reddes.bvsalud.org/projects/clinical-trials>

WHO Trial Registration Data Set

This page in [Español](#) | [Português](#)

Field numbers, names and descriptions here are taken verbatim from the source: <http://www.who.int/ictrp/network/trds/en/index.html>

Categorization into administrative and scientific fields done at BIREME to facilitate discussions.

See [RegistrationDataModel](#) for a mapping of these fields to actual database fields.

WHO Trial Registration Data Set

Administrative fields

1. Primary Registry and Trial Identifying Number
2. Date of Registration in Primary Registry
3. Secondary Identifying Numbers
4. Source(s) of Monetary or Material Support
5. Primary Sponsor
6. Secondary Sponsor(s)
7. Contact for Public Queries
8. Contact for Scientific Queries
9. Public Title
10. Scientific Title
11. Countries of Recruitment

Scientific fields

12. Health Condition(s) or Problem(s) Studied
13. Intervention(s)
14. Key Inclusion and Exclusion Criteria
15. Study Type
16. Date of First Enrollment
17. Target Sample Size
18. Recruitment Status
19. Primary Outcome(s)

TRDS-20 field
descriptions
in English

Administrative fields

1. Primary Registry and Trial Identifying Number

Name of Primary Registry, and the unique ID number assigned by the Primary Registry to this trial. (see: [PrimaryIdNumber](#))

2. Date of Registration in Primary Registry

Date when trial was officially registered in the Primary Registry. (see: [RegistrationDate](#))

3. Secondary Identifying Numbers

Other identifying numbers and issuing authorities besides the Primary Registry, if any. Include the sponsor name and s number) if available. Also include other trial registries that have issued an identifying number to this trial. There is no li numbers that can be provided. (see: [SecondaryIdNumbers](#))

4. Source(s) of Monetary or Material Support

Major source(s) of monetary or material support for the trial (e.g., funding agency, foundation, company). (see: [SupportSources](#))

5. Primary Sponsor

The individual
for ensuring t

or is responsible

6. Secondary Sp

<http://reddes.bvsalud.org/projects/clinical-trials>



WHO Trial Registration Data Set

This page in [English](#) | [Português](#)

Field numbers, names and descriptions here are taken verbatim from the source: <http://www.who.int/ictrp/network/trds/en/index.html>

Categorization into administrative and scientific fields done at BIREME to facilitate discussions.

See [RegistrationDataModel](#) for a mapping of these fields to actual database fields.

WHO Trial Registration Data Set

Campos administrativos

1. Registro primario y número de identificación del ensayo
2. Fecha de inscripción en el Repositorio Primario
3. Identificadores secundarios del ensayo clínico
4. Fuentes de apoyo monetario o en material
5. Patrocinador principal
6. Patrocinador(es) secundario(s)
7. Contacto para preguntas públicas
8. Contacto para preguntas científicas
9. Título público
10. Título científico
11. Países donde se realiza la selección

Campos científicos

12. Problemas o situaciones sanitarias estudiadas
13. Intervención(es)
14. Criterios de inclusión y exclusión clave
15. Tipo de ensayo
16. Fecha de la primera inclusión
17. Tamaño previsto de la muestra
18. Estado de reclutamiento
19. Resultados primarios
- 20.

TRDS-20 field
descriptions
in Spanish

Campos administrativos

1. Registro primario y número de identificación del ensayo

Nombre del Repositorio Primario, y el número de identificación (ID) asignado al ensayo por el Repositorio Primario (vea: [PrimaryIdNumber](#))

2. Fecha de inscripción en el Repositorio Primario

Fecha cuando el ensayo fue oficialmente registrado en el Repositorio Primario (vea: [RegistrationDate](#))

3. Identificadores secundarios del ensayo clínico

Números de identificación atribuidos por otros organos emisores, ademas del Repositorio Primario, si hay. Incluye el n ensayo por el repositorio secundario (por ej. número del protocolo), si disponible. Tambien incluye otros registros de en identificación para este ensayo (p.ex. [ClinicalTrials???.gov](#)). No hay limite de cantidade de números de identificación se [SecondaryIdNumbers](#))

4. Fuentes de apoyo monetario o en material

Principal o principales fuentes de apoyo financiero o en material para el ensayo. (por ej. agencia de financiación, fundación, empresas) (vea: [SupportSources](#))

5. Patrocinador principal

Individuos, o responsable (o es [sponsor](#))

<http://reddes.bvsalud.org/projects/clinical-trials>

Conjunto de dados de registro de ensaio da OMS

Esta página em [English](#) | [Español](#).

Os numeros, nomes e descrições dos campos desta página foram obtidos diretamente da fonte

⇒ <http://www.who.int/ictrp/network/trds/en/index.html>

Categorização em campos administrativo e científico realizado na BIREME para facilitar as discussões..

Veja [RegistrationDataModel](#) para um mapeamento destes campos para os campos correspondentes no banco de dados.

Conjunto de dados de registro de ensaio da OMS

Campos Administrativos

1. Identificador Primário do ensaio clínico no Registro Primario
2. Data de Registro no Registro Primario
3. Identificadores secundários do ensaio clínico
4. Fonte(s) de apoio financeiro ou material
5. Patrocinador Primário
6. Patrocinador(es) Secundário(s)
7. Contato de Relações Públicas
8. Contato para a comunidade científica
9. Título Público
10. Título Científico
11. Países de Recrutamento

Campos Científicos

12. Condição(ões) ou Problema(s) de saúde estudado(s)
13. Intervenção(ões)
14. Critérios de Inclusão e Exclusão
15. Tipo de Estudo
16. Data da Primeira Inscrição
17. Tamanho da Amostra
18. Situação do recrutamento
19. Desfecho(s) primário(s)
20. De

Campos

21. Sit
22. De
23. In
24. Si
25. C

TRDS-20 field
descriptions
in Portuguese

Campos Administrativos

1. Identificador Primário do ensaio clínico no Registro Primario

Nome do Registro Primario e seu identificador primário unico atribuido pelo Registro Primario ao ensaio.

(veja: [PrimaryIdNumber](#))

2. Data de Registro no Registro Primario

Data em que o ensaio foi oficialmente registrado no Registro Primario. (veja: [RegistrationDate](#))

3. Identificadores secundários do ensaio clínico

Outros números de identificação de órgãos emissores, além do Identificador Primário do ensaio clínico, se houver. Incluir o nome do patrocinador e o número de registro de ensaio do patrocinador (p.ex., código interno do patrocinador), nome do Comitê de Ética que aprovou o projeto e o número de registro no SISNEP/Plataforma Brasil(numero do CAAE), numero do comunicado especial da ANVISA, numero do UTN, numero Também incluir outros registros de ensaios que tenham emitido um número de identificação para este ensaio (p.ex. [ClinicalTrials.gov](#)). Não há limite para a quantidade de números de identificação secundários que podem ser fornecidos. (veja: [SecondaryIdNumbers](#))

4. Fonte(s) de apoio financeiro ou material

Principal(is) f

5. Patrocinado

<http://reddes.bvsalud.org/projects/clinical-trials>

Field 12. Health Condition(s) or Problem(s) Studied

WHO description

Primary health condition(s) or problem(s) studied (e.g., depression, breast cancer, medication error). If the study is conducted in healthy human volunteers belonging to the target population of the intervention (e.g. preventive or screening interventions), enter the particular health condition(s) or problem(s) being prevented. If the study is conducted in healthy human volunteers not belonging to the target population (e.g., a preliminary safety study), an appropriate keyword will be defined for users to select.

Field 12. Health Condition(s) or Problem(s) Studied

[WHO description](#)

[Schema](#)

[Validation](#)

[Labels](#)

[Sample Values](#)

[Discussion](#)

Schema

PT: 3 opcoes de campos:

12a) texto livre - recomendar utilizar o UMLS

12b) codigo - utilizar o 1o nivel de doencas do DeCS ou capitulos do CID10

12c) palavra chave - utilizar nivel mais detalhado do DeCS ou do CID10

Exibir no formulario o 12b primeiro, depois o 12c e por ultimo o 12a.

Validation ⓘ

At least one of each subfield (12a,12b,12c) is required

Labels

EN: Health Condition(s) or Problem(s) Studied

PT: Condição(ões) ou Problema(s) de saúde estudado(s)

ES:

Sample Values

sample 1

search for linfoma MALT UMLS 0.43 CID-10 C85.9

C85.9 Linfoma não-Hodgkin de tipo não especificado

discussion
page for one
of the TRDS
fields

Controlled Vocabularies

This page documents sources of terms that may be used to describe values in some of the **TRDS** fields.

Please note the [criteria for use of any controlled vocabulary in REBRAC](#).

HealthConditionsField (12) vocabularies

DeCS (MeSH translation with extensions)

used in subfields: [HealthConditionsField](#) (12b, 12c)

how to obtain: BIREME will provide a web service to allow users to pick descriptors.

online sources

- EN, ES, PT: <http://decs.bvs.br/homepage.htm>

CID-10 (ICD-10 translation)

used in subfields: [HealthConditionsField](#) (12b, 12c)

how to obtain: BIREME will ask WHO about this

online sources

- EN: <http://apps.who.int/classifications/apps/icd/icd10online/>

ICF (CIF)

used in subfields: [HealthConditionsField](#) (12b, 12c)

how to obtain: BIREME will ask WHO about this

online sources

- EN, ES: <http://apps.who.int/classifications/icfbrowser/>
- PT: (Centro de Classificação de Doenças da USP tem a versão m português da CIF. Laguardia enviou mensagem...)

HealthConditionsField (12) vocabularies
DeCS (MeSH translation with extensions)
CID-10 (ICD-10 translation)
ICF (CIF)
InterventionsField (13) vocabularies
DCI (INN translation)
DCB
Farmacopéia Homeopática Brasileira
ATC/DDD
Fitoterápicos
Other controlled vocabularies
Criteria for use in REBRAC

dicussion page
for controlled
vocabularies

Best Practices

Agreed

Accepting data from partner information systems

Summary:

- Primary or ICMJE-approved registries should be prepared to develop mechanisms for accepting data from Partner Registries or other appropriate data providers.
- Primary or ICMJE-approved registries that accept data from Partner Registries or other appropriate data providers must ensure that these data meet the WHO criteria for data content, quality and validity before being incorporated into the Primary Registry database.

Details and discussion: [DataFromPartners](#)

Best Practices

Agreed

[Accepting data from partner information systems](#)

[Audit trails](#)

[Authenticity of the registrant](#)

[Authenticity of the trial](#)

[Data standard: Countries of recruitment](#)

[Data standard: Secondary Identifiers](#)

[Prospective translation of the TRDS](#)

[Provisional registration](#)

[Retrospective registration of trials](#)

[Unique trial registration](#)

[Validity: Is the information registered correct and complete?](#)

[Draft](#)

Audit trails

Summary:

- Significant changes that must be included in audit trails are changes that alter the meaning of text in a data item.
- Registries may need, for legal reasons such as data privacy laws, to make significant changes to some fields and to suppress the original information. In such cases the audit trail should indicate that the change was made and when, but should state that the original information is no longer being displayed for legal reasons and that the original information is held on file by the registry.

Details and discussion: [AuditTrails?](#)

Authenticity of the registrant

Summary:

- Registries must contact and receive replies from the person submitting the registration request using details cited in trial will be an appropriate contact.
- When possible, registries should obtain institutional contact details

Details and discussion: [RegistrantAuthenticity?](#)

Authenticity of the trial

ICTRP best
practices
summary



How the regional platform is being developed

Think regional, act national

- Brazilian National Clinical Trials Registry
 - EnsaioClinicos.gov.br
 - Currently at <http://ec.beta.bvsalud.org>
 - primary registry but restricted to trials in Brazil
- Team
 - BIREME, MS, Fiocruz, Anvisa, PAHO office
- Funding
 - 50% PAHO
 - 50% Ministério da Saúde do Brasil and Fiocruz

Estórias de usuários fornecidas pela Decit / Ministério da Saúde

Como um
Registrador
Eu quero
importar os dados já registrados na Plataforma Brasil segundo um padrão XML definido
Para que
eu possa economizar tempo no registro de ensaio clínico no Rebrac

Como um
Revisor
Eu quero
garantir que um ensaio só seja considerado completo para fins de ganhar um numero REBRAC quando as informações já estiverem inseridas nos 2 idiomas (portugues e ingles) quando o estudo for brasileiro
Para que
eu possa garantir a compatibilidade com os padrões da OMS.

Como um
[Administrador](#)
Eu quero
garantir que o sistema utilize todos os padrões internacionais de dados disponíveis
Para que
eu possa minimizar o esforço de integração e compatibilidade futura.

As a
[Administrator](#)
I want to
send automatically to each researcher an warning message about deadlines, for example 15 days or 1 week before.

so that
this w

As a
[Resquis](#)

user stories contributed by:

- Fiocruz
- Ministério da Saúde
- ANVISA
- BIREME

<http://reddes.bvsalud.org/projects/clinical-trials>

User Roles in a CTR instance

Trialist

person responsible for registering a clinical trial

Reviewer

person responsible for approving the record and changes of a Clinical Trial.

Administrator

system administrator responsible for managing the CTR instance

Citizen

a member of the general public

Comments

Anvisa

person responsible for the regulatory approval of a clinical trial.

As mentioned in the initial meeting of the Executive Committee, "Anvisa" is not a good name for a role. A role must describe a person, not an institution, because only real people interact with the system, institutions do not interact with it.

Also, everyone present at that meeting agreed that we needed the roles "Trialist", "Reviewer", "Administrator" step is to find a name that describes a person, and not an institution. (LR)

Edit this page

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Plain Text

defined user roles:

- trialist
- reviewer
- administrator
- citizen (public)

Work Breakdown

Main modules of the BIREME Clinical Trials Platform

See [PrioritizedFeatures](#) for these items ordered by priority.

Trialist personal data management

- signup: create account
- login
- trialist dashboard (lists: submissions, pending issues)
- change password
- reset password
- set preferred language

Trialist trial record submission

- list own clinical trial submissions
- start submission and determine mandatory registration languages
- submission status overview
- edit clinical trial record in each language
- upload submission attachments
- view and handle pending issues
- request support
- upload trial record in ICTRP XML format

Reviewer trial record revision

- login

Work Breakdown

Trialist personal data management
Trialist trial record submission
Reviewer trial record revision
Citizen public interface
Administrator operations management
Quality assurance
Documentation

work breakdown
structure: what
needs to be built

Priotized Feadures

Main modules of the BIREME Clincial Trials Platform

Priority 1: required for Alpha 1

- [Trialist](#) login
- [Trialist](#) start submission and determine mandatory registration languages
- [Trialist](#) edit clinical trial record in each language
- [Trialist](#) upload submission attachments and mark as public or confidential
- [Trialist](#) submission status overview
- [Trialist](#) list own clinical trial submissions
- [Trialist](#) upload trial record in XML format
- [Trialist](#) signup: create account
- [Trialist](#) change password
- [Reviewer](#) login
- [Reviewer](#) review submission and post issues at field and record level
- [Reviewer](#) approve translation
- [Reviewer](#) review submission attachments
- [Administrator](#) edit UI translation (Rosetta system)
- [Administrator](#) edit field-level help: help text displayed besides each field
- [Administrator](#) edit FAQ
- [Administrator](#) edit controlled vocabularies
- [Administrator](#) manage reviewer accounts
- [Administrator](#) export XML to ICTRP

Priotized Feadures

Priority 1: required for Alpha 1
Priority 2: required for Alpha 2
Priority 3: required for Beta 1
Priority 4: required Beta 2

prioritized
work breakdown
structure: what
needs to be built
and when

{1} Active Tickets (44 matches)

- List all active tickets by priority.
- Color each row based on priority.

[Edit report](#) [Copy report](#) [Delete report](#)

P.name	Ticket	Summary	Component	Version	Milestone	Type	Owner	Status	Created
1	#23	Trialist edit clinical trial record in each language	Trialist	None	alpha1	task		new	04/05/10
1	#26	Trialist: list own clinical trial submissions	Trialist	None	alpha1	task		new	04/05/10
1	#31	Review submission and post issues at field and record level	Reviewer	None	alpha1	task		new	04/05/10
2	#22	Start submission and determine mandatory registration languages	Trialist	None	alpha1	task		new	04/05/10
2	#25	Trialist submission status overview	Trialist	None	alpha1	task		new	04/05/10
2	#40	Export XML to ICTRP	Administrator	None	alpha1	task		new	04/05/10
2	#51	Spanish translation of the UI	All Users	None	beta1	task		new	04/05/10
3	#27	Trialist upload trial record in XML format	Trialist	None	alpha1	task		new	04/05/10
3	#29	Trialist: change own password	Trialist	None	alpha1				
3	#30	Reviewer login	Reviewer	None	alpha1				
3	#32	Approve translation	Reviewer	None	alpha1				
3	#33	Review submission attachments	Reviewer	None	alpha1				
3	#37	Edit FAQ	Administrator	None	alpha1				
3	#39	Manage reviewer accounts	Administrator	None	alpha1				
3	#41	Basic public search	All Users	None	alpha1				
3	#42	Public view of detailed clinical trial record	All Users	None	alpha1				
3	#43	Public view of FAQ	All Users	None	alpha1				
3	#44	Trialist dashboard	Trialist	None	alpha2				
3	#45	Trialist: view and handle pending issues	Trialist	None	alpha2				
3	#46	Trialist: request support	Trialist	None	alpha2				
3	#47	Reviewer dashboard	Trialist	None	alpha2				
3	#48	Administrator: assign trials and issues to reviewers	Administrator	None	beta1				
3	#49	Administrator: view workflow reports	Administrator	None	beta1	task		new	04/05/10

development tracking:
each ticket is a feature to be implemented or a bug to be fixed

Roadmap

Milestone: **alpha1**

4 weeks late (03/25/10)



Closed tickets: 7 **Active tickets:** 16 **Total tickets:** 23

☐ Show already completed milestones

[Update](#)

Milestone: **alpha2**

2 days late (04/20/10)



Closed tickets: 0 **Active tickets:** 5 **Total tickets:** 5

Milestone: **beta1**

Due in 4 weeks (05/17/10)



Closed tickets: 1 **Active tickets:** 12 **Total tickets:** 13

Milestone: **beta2**

Due in 8 weeks (06/15/10)



Closed tickets: 3 **Active tickets:** 11 **Total tickets:** 14

roadmap shows
progress for
each milestone

Timeline

04/22/10: Today

- 10:36 [FiocruzStories](#) edited by luciano.ramalho
(diff)

04/20/10:

- 17:53 [Changeset \[298\]](#) by luciano.ramalho
added backup script; removed empty models.py from decsclient app
- 17:22 [Changeset \[297\]](#) by fabio.montefusco
fix partially the id for cluetip

04/19/10:

- 17:47 [Changeset \[296\]](#) by fabio.montefusco
unnecessary line causes 404 error
- 17:23 [Changeset \[295\]](#) by fabio.montefusco
Delete the big version of 'cluetip'
- 17:22 [Changeset \[294\]](#) by fabio.montefusco
Provide a cool tooltip that enhance and complete [#71](#)
- 16:07 [Changeset \[293\]](#) by luciano.ramalho
updated form for help text inclusion
- 11:21 [Changeset \[292\]](#) by fabio.montefusco
Close script tag to avoid html parsing corruption.
- 10:14 [Ticket #69](#) (change style for button "Submit a new trial") closed by fabio.montefusco
implemented

04/16/10:

View changes from 04/22/10

and 30 days back.

- ☒ Ticket changes
☒ Repository checkins
☒ Milestones
☒ Wiki changes

Update

timeline shows
changes to
documentation
and code in
real time

Changeset 297

Timestamp: 04/20/10 17:22:18 (41 hours ago)

Author: fabio.montefuscolo

Message: fix partially the id for cluetip

Location: [trunk/clinicaltrials](#)

Files: 2 modified

- [repository/trds_forms.py \(2 diffs\)](#)
- [static/js/submission.utils.js \(1 diff\)](#)

☐ Unmodified ☒ Added ☐ Removed

[trunk/clinicaltrials/repository/trds_forms.py](#)

r294	r297	
58	58	'field': unicode(bf),
59	59	'help_text': help_text,
60		'help_id': 'help%s' % help_record.pk,
	60	'help_id': 'id%s-help%s' % ((self.prefix or name), help_record.pk),
61	61	'issue': issue_text,})
62	62	if top_errors:
...	...	
77	77	'field': '',
78	78	'help_text': '',
79		'help_id': 'help%s' % help_record.pk,
	79	'help_id': 'id%s-help%s' % (self.prefix, help_record.pk),
80	80	'issue': '',}
81	81	output.append(last_row)

[trunk/clinicaltrials/static/js/submission.utils.js](#)

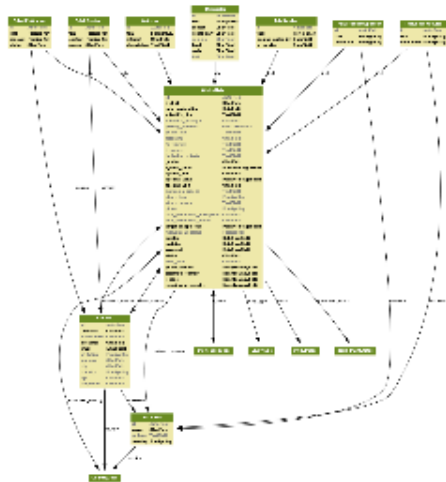
Tabular **Unified**

r291	r297	
15	15	var newFor = \$(this).attr('for').replace('-' + (total-1) + '-', '-' + total + '-');
16	16	t(this).attr('for', newFor);

changes are
displayed down
to each line
of code

Registration Data Model

Mapping of the 20 TRDS fields to XML elements and database entities.



Registration Data Model
Administrative fields
Scientific fields
Additional required fields
Additional fields

data model:
mapping of
ICTRP XML
fields to
a relational
database
schema

Administrative fields

TRDS	wiki name	XML element	repeat	max.len.	model class	attribut	search
1	PrimaryIdNumberField	trial_id	N	255	ClinicalTrial	trial_id	basic *
2	RegistrationDateField	date_registration	N	10	ClinicalTrial	date_re	adv.
3a	SecondaryIdNumbersField	issuing_authority	Y	255	TrialNumber	trial_nu	per set
3b		secondary_id	Y	50			basic
4	SupportSourcesField	source_name	Y	1000	Institution	source_name_set	basic (name only)
5	PrimarySponsorField	primary_sponsor	N	2000	ClinicalTrial	primary_sponsor	basic (name only)
						ForeignKey(Institution)	basic

Administrative fields

TRDS	wiki name	XML element	repeat	max.len.	model class	attribute name	type	search
1	PrimaryIdNumberField	trial_id	N	255	ClinicalTrial	trial_id	Char(255) (1)	basic *
2	RegistrationDateField	date_registration	N	10	ClinicalTrial	date_registration	Date	adv.
3a	SecondaryIdNumbersField	issuing_authority	Y	255	TrialNumber	trial_number_set	← TrialNumber set (2))	
3b		secondary_id	Y	50				basic
4	SupportSourcesField	source_name	Y	1000	Institution	source_name_set	← Institution set (2)	basic (name only)
5	PrimarySponsorField	primary_sponsor	N	2000	ClinicalTrial	primary_sponsor	ForeignKey(Institution)	basic (name only)
6	SecondarySponsorsField	sponsor_name	Y	2000	Institution	secondary_sponsor_set	← Institution set (2)	basic (name only)
7	PublicContactField	contact type="public" (3)	Y	1370 (4)	Contact	public_	et (2)	basic (city) adv. (name only)
		contact type="site" (3)	Y	1370 (4)	Contact	site_co	et (2)	basic (city) adv. (name only)
8	ScientificContactField	contact type="scientific" (3)	Y	1370 (4)	Contact	scientific	et (2)	basic (city) adv. (name only)
9a	PublicTitleField	public_title	N	2000	ClinicalTrial	public_		basic *
9b		acronym	N	255	ClinicalTrial	acronym		basic
		acronym_expansion	N	255	ClinicalTrial	acronym		basic
10a	ScientificTitleField	scientific_title	N	2000	ClinicalTrial	scientific		basic
10b		scientific_acronym	N	255	ClinicalTrial	scientific		basic
		scientific_acronym_expansion	N	255	ClinicalTrial	scientific		basic
11	RecruitmentCountriesField	country2	Y	50	RecruitmentCountry	recruitment	Country set (2)	basic

data model:
mapping of
ICTRP XML
fields to
a relational
database
schema

Scientific fields

TRDS	wiki name	XML element	repeat	max.len.	model class	attribute name	type	
12a	HealthConditionsField	hc_freertext	N	8000	ClinicalTrial	hc_freertext	Char(8000)	basic
12b		hc_code	Y	255	ConditionTag	hc_category_set	← ConditionTag set	basic

Scientific fields

TRDS	wiki name	XML element	repeat	max.len.	model class	attribute name	type	
12a	HealthConditionsField	hc_freetext	N	8000	ClinicalTrial	hc_freetext	Char(8000)	basic
12b		hc_code	Y	255	ConditionTag	hc_category_set	← ConditionTag set (2)	basic
12c		hc_keyword	Y	255	ConditionTag	hc_keyword_set	← ConditionTag set (2)	basic
13a	InterventionsField	i_freetext	N	8000	ClinicalTrial	i_freetext	Char(8000)	basic
13b		i_code	Y	255	InterventionTag	i_category_set	← InterventionTag set (2)	basic
13c		i_keyword	Y	255	InterventionTag	i_keyword_set	← InterventionTag set (2)	basic
14a	InclusionCriteriaField	inclusion_criteria	N	8000	ClinicalTrial	inclusion_criteria	Char(8000)	basic
14b		gender	N	50	ClinicalTrial	gender	Char(50)	adv.
14c		agemin	N	50	ClinicalTrial	agemin_value	PositiveInteger	adv.
					ClinicalTrial	agemin_unit	Char(1)	adv.
14d		agemax	N	50	ClinicalTrial	agemax_value		
					ClinicalTrial	agemin_unit		
14e		exclusion_criteria	N	8000	ClinicalTrial	exclusion_criteria		
15a	StudyTypeField	study_type	N	255	ClinicalTrial	study_type		
15b		study_design	N	1000	ClinicalTrial	study_design		
15c		phase	N	255	ClinicalTrial	phase		
16a	FirstEnrollmentDateField	type_enrollment	Y (5)	50				
16b		date_enrollment	Y (5)	10	ClinicalTrial	date_enrollment_anticipate		
					ClinicalTrial	date_enrollment_actual		
17	SampleSizeField	target_size	N	255	ClinicalTrial	target_sample_size		
18	RecruitmentStatusField	recruitment_status	N	255	ClinicalTrial	recruitment_status		
19	PrimaryOutcomesField	primary_outcome	Y	8000	Outcome	primary_outcome_set		
20	SecondaryOutcomesField	secondary_outcome	Y	8000	Outcome	secondary_outcome_set		

data model:
mapping of
ICTRP XML
fields to
a relational
database
schema

(*) fields to show in the basic search result. Other fields to show: updating_date

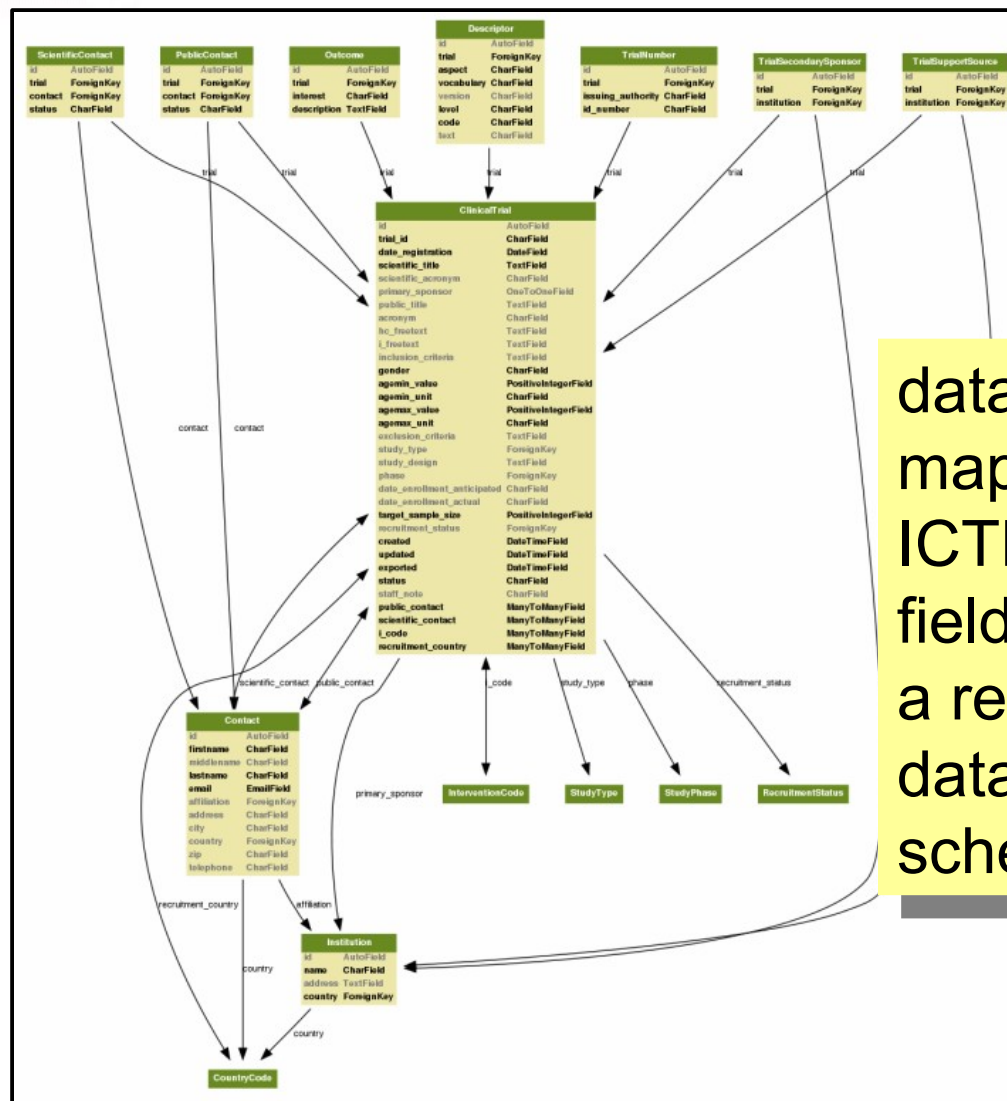
Additional required fields

ICTRP-DF	name	XML element	repeat	max.len.	model class	attribute name	type
A1	URL	url	N	255	ClinicalTrial	canonical_url	ClinicalTrial method (7)

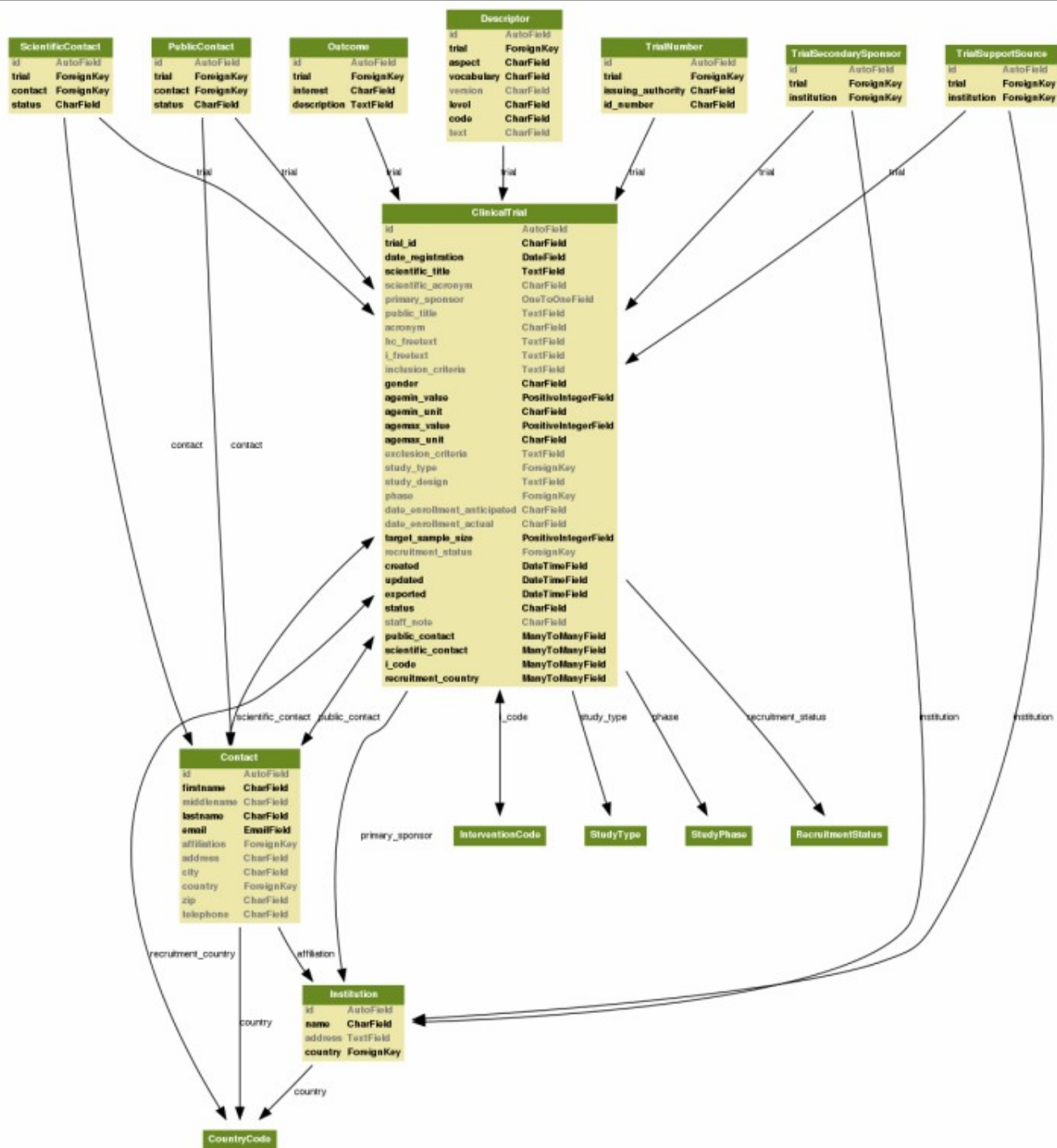
(1) The maxi

<http://reddes.bvsalud.org/projects/clinical-trials>

A relational, SQL database



data model:
mapping of
ICTRP XML
fields to
a relational
database
schema



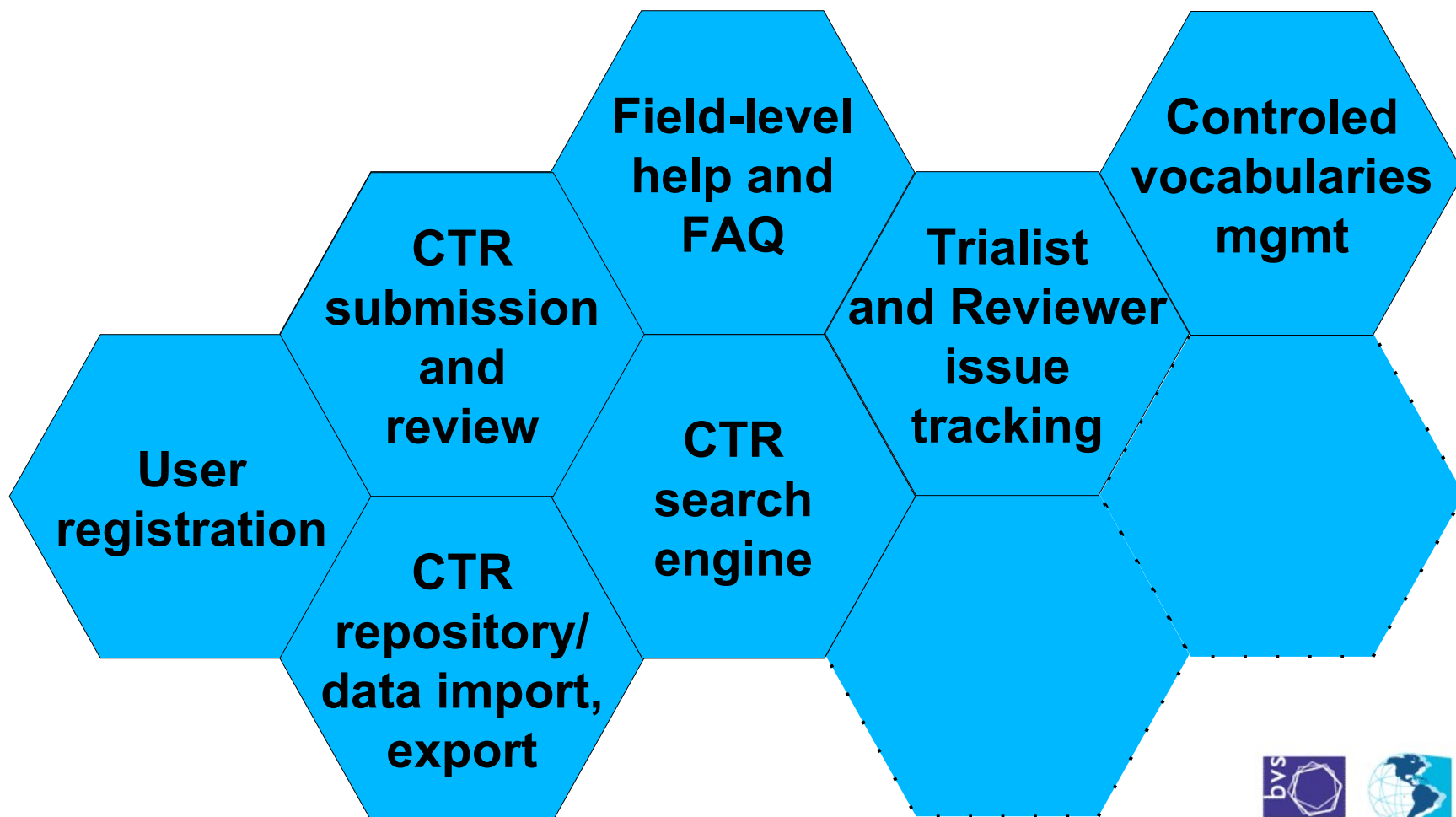
Software foundations

- Written in Python, a modern, easy to learn programming language
 - used by Google, RedHat, Novell, MIT etc.
- Leverages Django, a modern, easy to learn web development toolkit
 - used by Washington Post, Tabblo, Focus.com etc.
- Relational database storage
 - compatible with Oracle, PostgreSQL and MySQL

Software features

- Multi-lingual
 - user interface and content can be translated to any language or set of languages
 - CT registry operators can edit help text, vocabularies etc. at any time
- Multi-platform
 - runs on any modern computer (Windows, MacOSX, Linux, FreeBSD...)
- Modular
 - functionality is split into reusable modules

Software modules



Fields which need translation

1. Primary Registry and Trial Identifying Number
2. Date of Registration in Primary Registry
3. Secondary Identifying Numbers
4. Source(s) of Monetary or Material Support
5. Primary Sponsor
6. Secondary Sponsor(s)
7. Contact for Public Queries
8. Contact for Scientific Queries

only 8 fields
out of 20 need
translation

9. Public Title

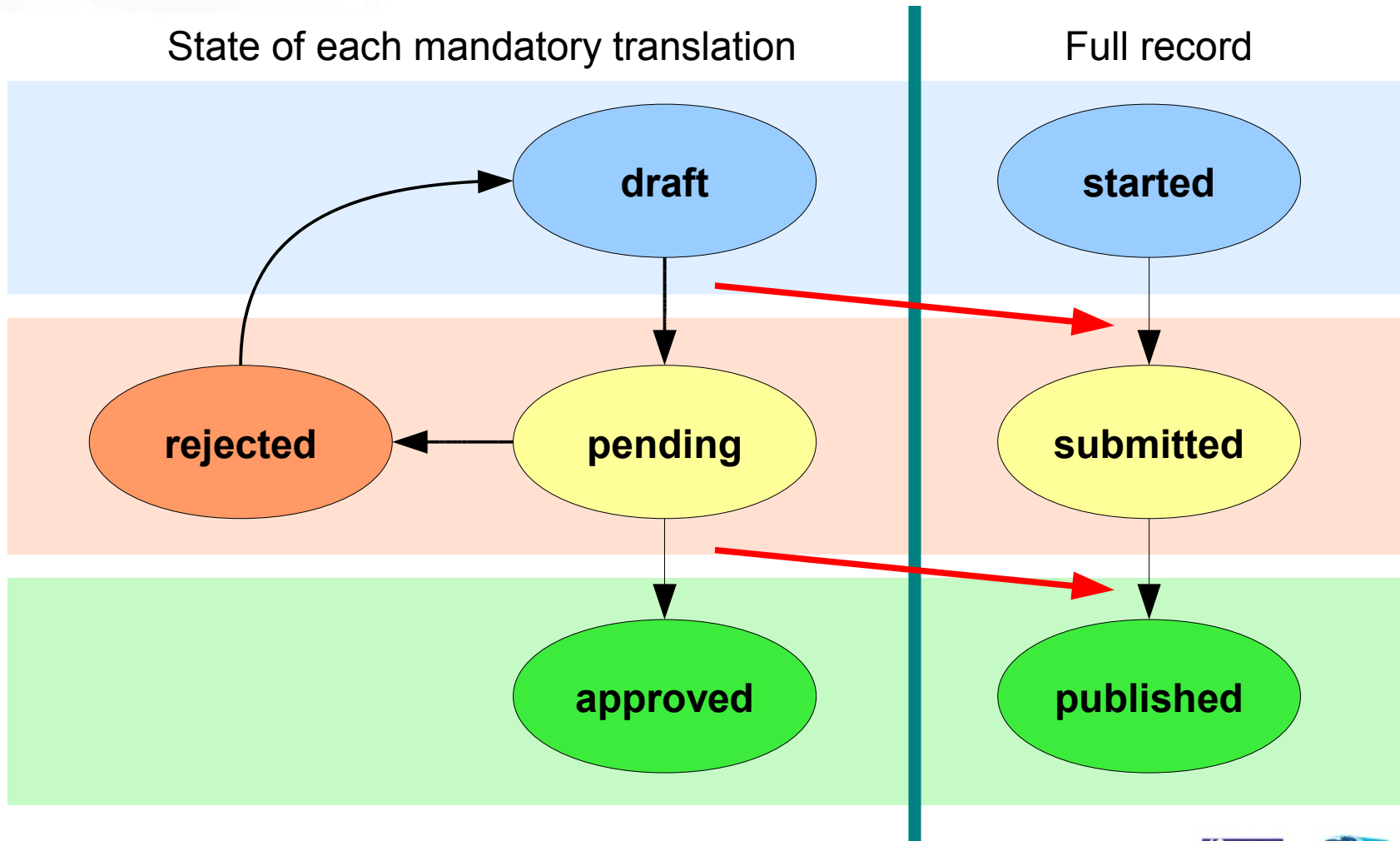
10. Scientific Title

Fields which need translation

11. Countries of Recruitment
- 12. Health Condition(s) or Problem(s) Studied**
- 13. Intervention(s)**
- 14. Key Inclusion and Exclusion Criteria**
- 15. Study Type**
16. Date of First Enrollment
17. Target Sample Size
18. Recruitment Status
- 19. Primary Outcome(s)**
- 20. Key Secondary Outcome(s)**

only 8 fields
out of 20 need
translation

Workflow: publishing process



What is Open Source Software

- Open Source Software is¹
 - Software licensed with a copyright license compliant with the Open Source Definition (OSD)
 - Software is distributed with its source code in a human readable format
 - Software is developed in an open and collaborative way by groups of developers

¹ Quoted from “Learn About Open Source”, a presentation by Alolita Sharma of the Open Source Initiative
<http://www.opensource.org/osi-open-source-education>

A key point: the “fishbowl”

“Software developed in an open and collaborative way by groups of developers”

- It is not enough to freely distribute the software and put the source code in an open repository
- Strategic and tactical decisions must be made in an open way, allowing and encouraging participation
 - Usually, via a public mailing list and meetings open to all interested parties

Sustainable development

- Participation fosters an active community
- An active community provides:
 - Better, more qualified feedback
 - Content contributions in the form of documentation, presentations, best practices, translations etc.
 - Software contributions in the form of bug fixes, patches, add-ons and core enhancements
- This leads to sustainable software development

Designed for Wide Deployment

- Multi-lingual user interface, help system and repository
- Multi-platform language and toolkit
- Mainstream database technology
- Technical documentation in English
- Source code in English
- Standard Open Source procedures and best practices



Thank you

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BIREME/PAHO/WHO

