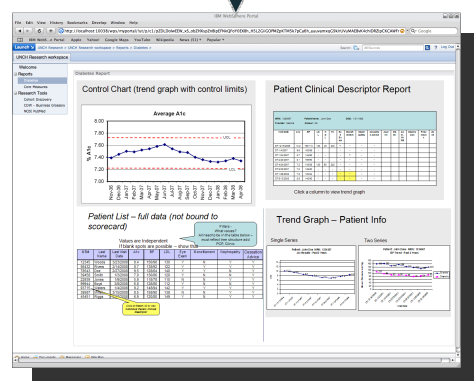


A close-up photograph of several pills. One white, oval-shaped pill is in sharp focus in the foreground, while several blue, oval-shaped pills are blurred in the background.

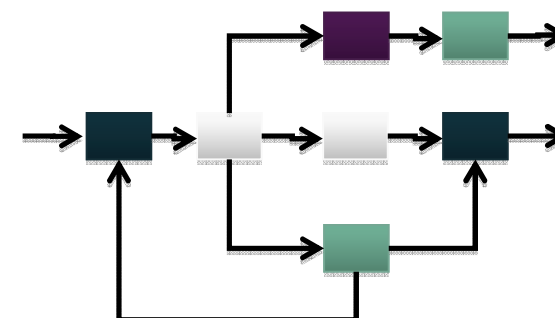
Clinical Reference Library

for clinical standards and
metadata management

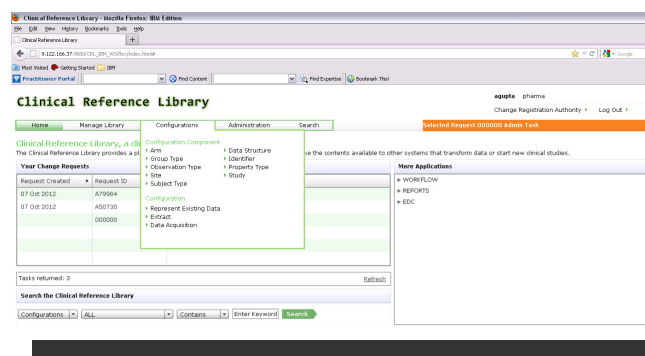


High
performance
analytics

Metadata repository



Business
efficiency

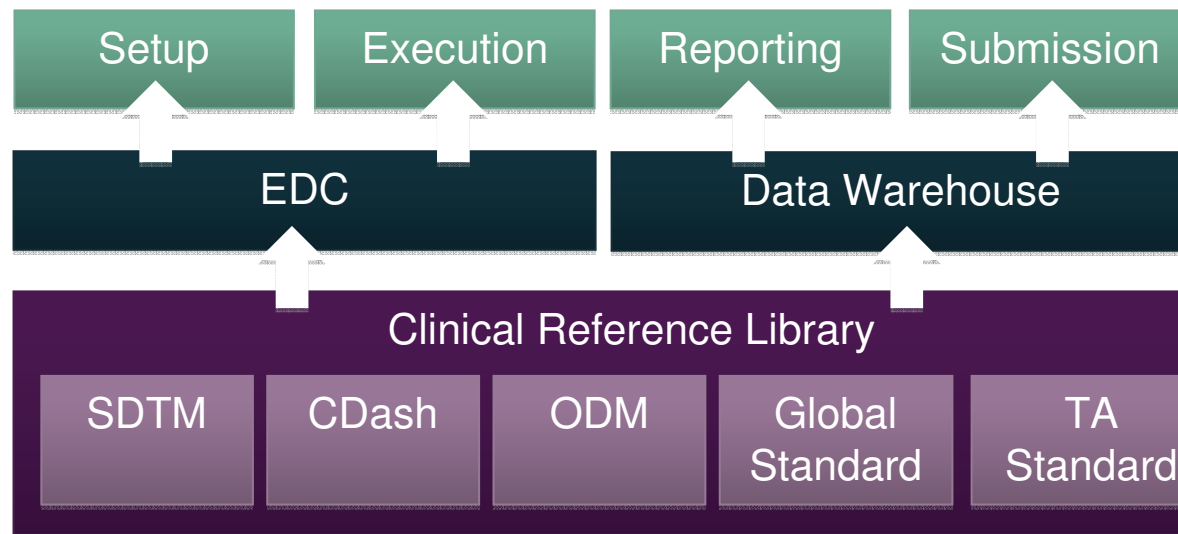


What we'll cover in the next 20 minutes.....



- ◆ An introduction to IBM's Clinical Reference Library (CRL) - its scope and capabilities
- ◆ A brief demo of some key components of CRL
- ◆ Discuss how CRL's capabilities in metadata and standards management can be leveraged in R&D

IBM Clinical Reference Library (CRL) product headlines...



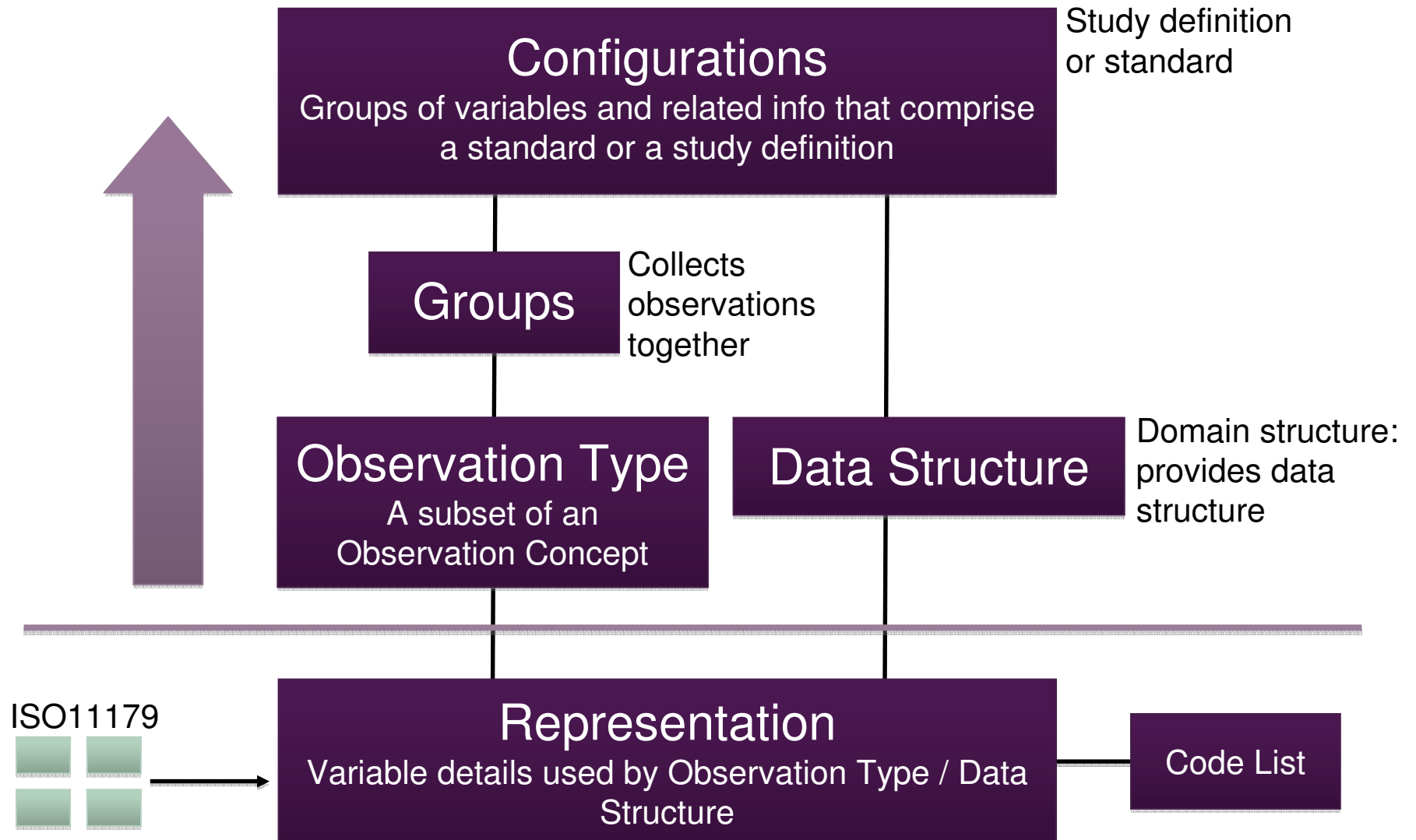
- Full workflow and reporting capabilities
- The ability to bulk load, maintain and link standards
 - SDTM
 - CDASH
 - In house
 - and others...

CRL provides for the definition of both standards and studies

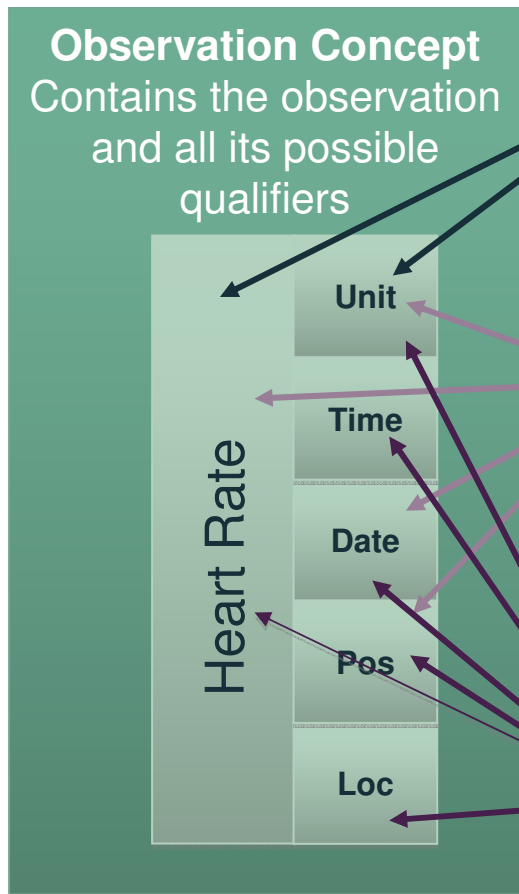
- CRL makes metadata available for consumption by other systems
 - EDC
 - ODM
 - Clinical Data Warehouse
 - and others...
- CRL provides a platform to **quickly** drive standards adoption

CRL delivers automated, integrated, end-to-end standards adoption and metadata management to unlock your clinical data

CRL logical view



Machine Readable Support for multiple field/variable and code definitions – enabling automated data transformation



Study 1

Heart Rate	HRTRT	Char3
Unit	HRTRTU	Char10

Study 2

Heart Rate	HR	Num3
Unit	HRU	Char10
Date	HRDT	Date
Pos	HRPOS	Num2

Sitting	1
Supine	2
Standing	3

Study 3..... and beyond

Heart Rate	HRT	Char3
Unit	HRTU	Char10
Date	HRTDT	Date
Time	HRTTM	Char8
Pos	HRTPOS	Char20
Loc	HRTLLOC	Char20

Sitting	Sitting
Supine	Supine
Standing	Standing

Chest	Chest
Back	Back
Arm	Arm

Demo



Clinical Reference Library - Mozilla Firefox: IBM Edition

File Edit View History Bookmarks Tools Help

Clinical Reference Library +

9.122.166.37:9080/CRL_IBM_WS/flex/index.html#

Most Visited Getting Started IBM

Practitioner Portal Find Content Find Expertise Bookmark This!

Clinical Reference Library

agupta pharma

Change Registration Authority Log Out

Home Manage Library Configurations Administration Search

Selected Request 000000 Admin Task

Clinical Reference Library

The Clinical Reference Library is a tool that allows you to manage and make the contents available to other systems that transform data or start new clinical studies.

Your Change Log

Request Created	Request ID	Request Description
07 Oct 2012	A79984	Height Field
07 Oct 2012	A50730	SF36 Total Score
	000000	Admin Task

Tasks returned: 3 [Refresh](#)

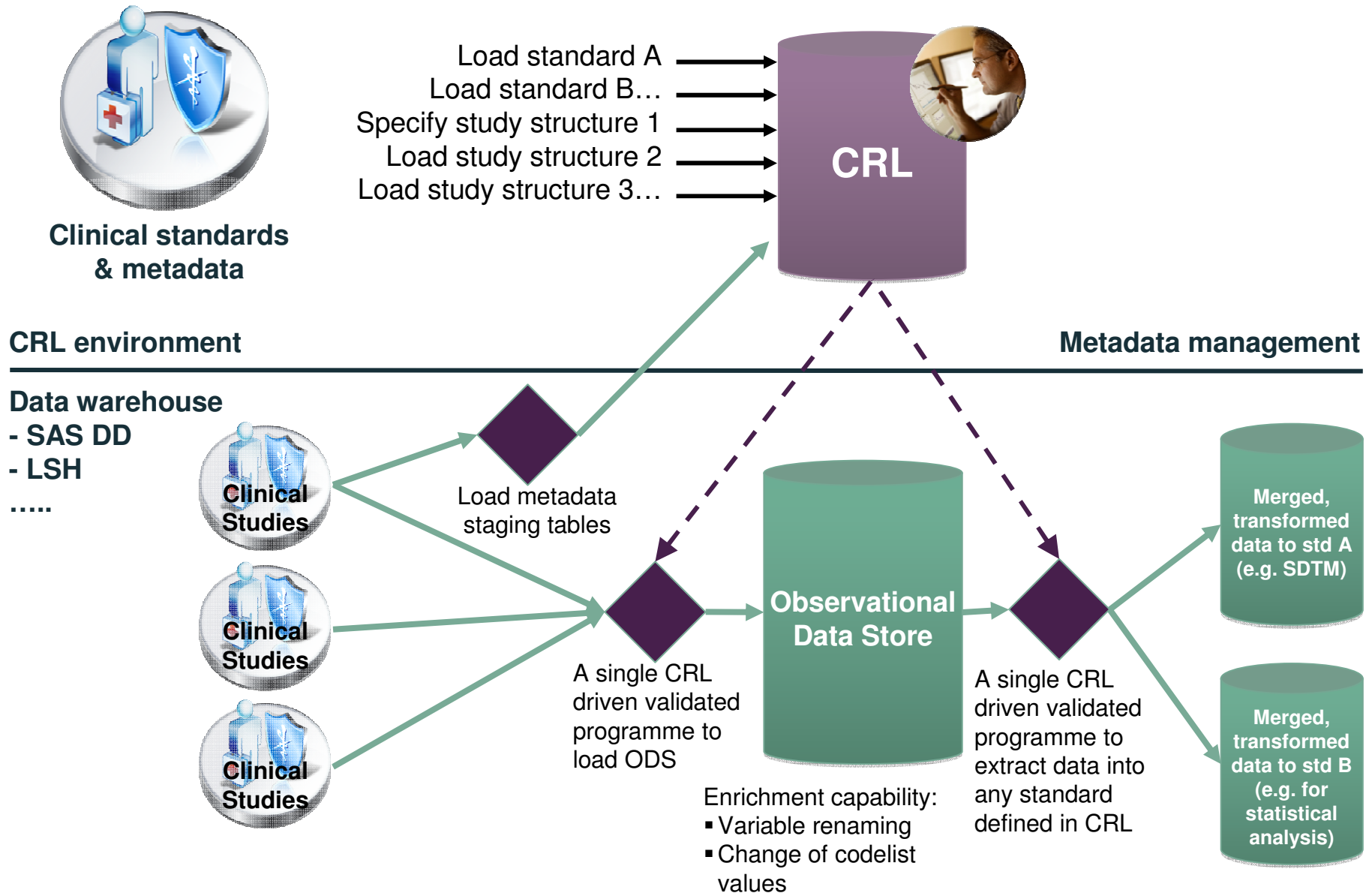
Search the Clinical Reference Library

Configurations ALL Contains Enter Keyword [Search](#)

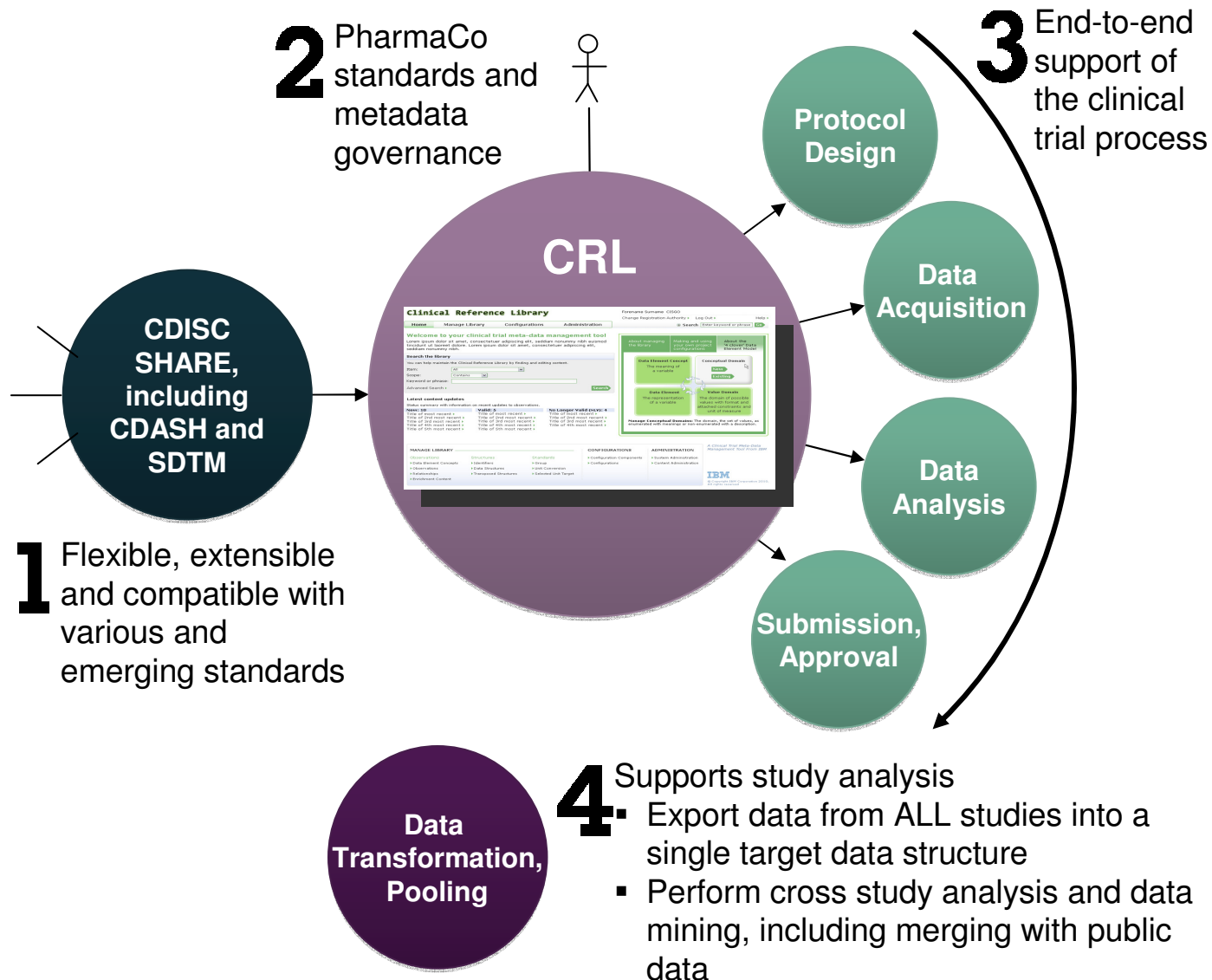
More Applications

- WORKFLOW
- REPORTS
- EDC

How CRL supports the transformation of data



Standards and metadata management: core requirements



Management of multiple information standard definitions.

Vital while industry and company standards continue to evolve.

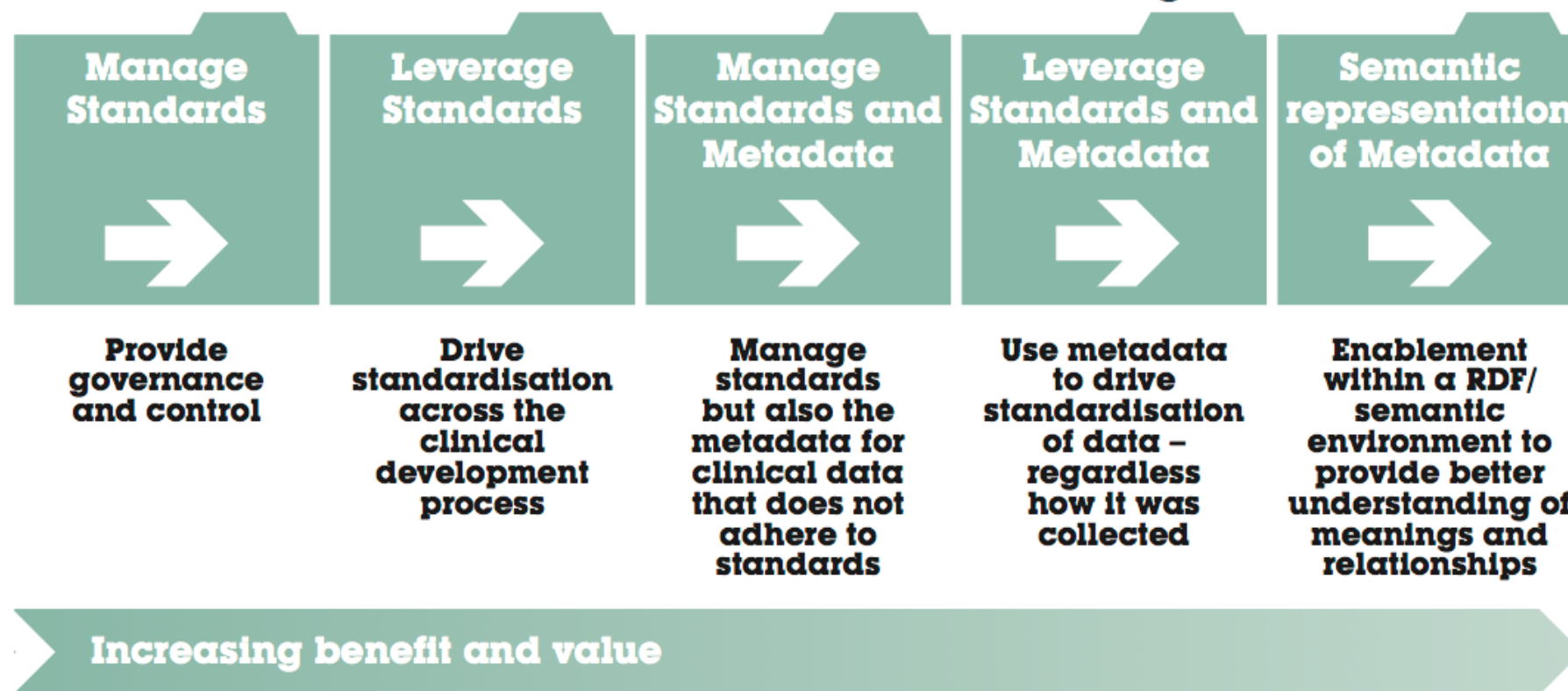
Automation of transpositions and transformations.

Many companies have large archives and numerous data pools inherited from mergers. \$5-10M/year can be spent in manual transformation of information in offshore 'data conversion factories'.

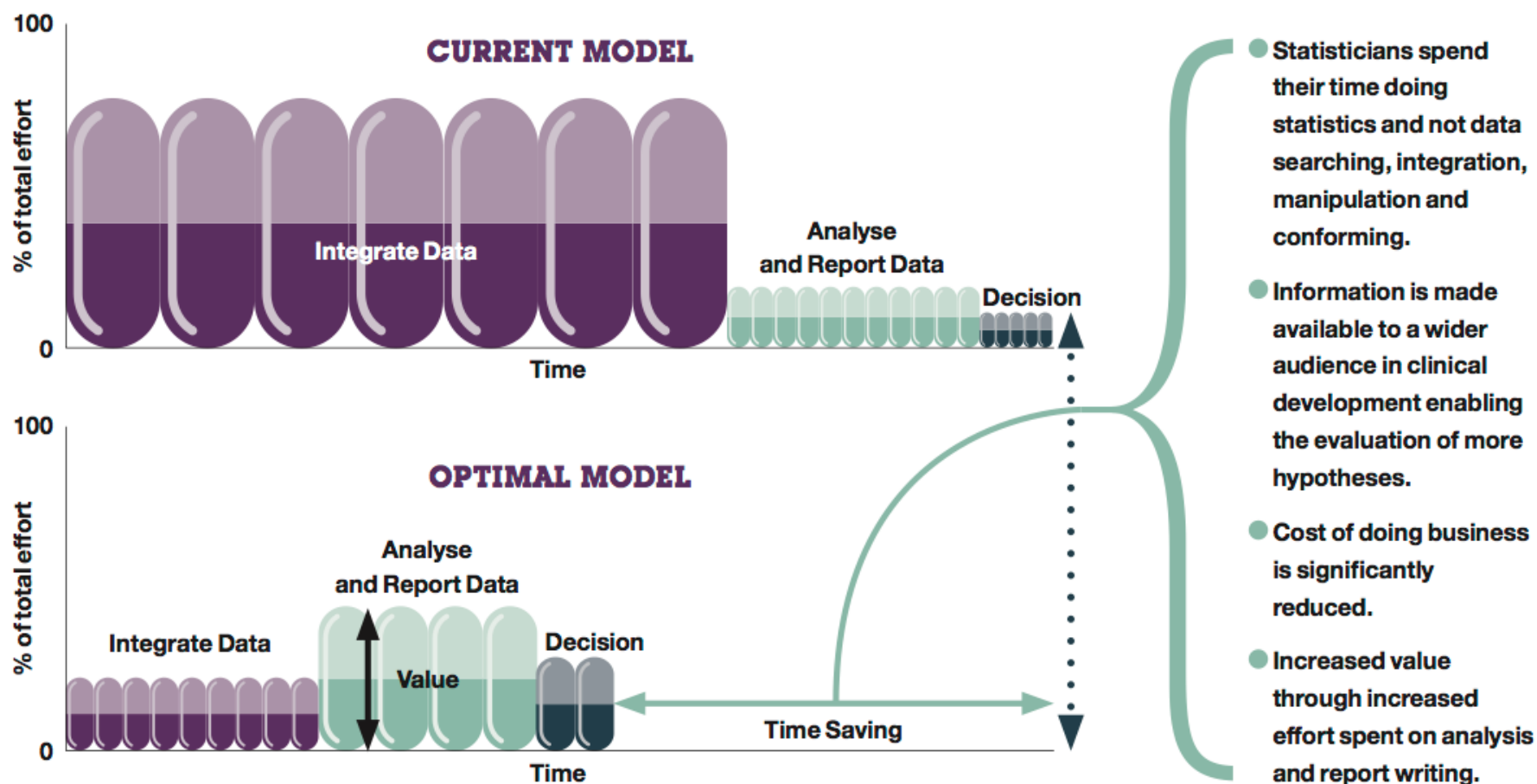
Analytics, semantics and beyond.

The clear and unambiguous (computer readable) definition of your information is essential to derive information, gain insight and make key business decisions.

The benefits of better clinical metadata management



The benefits of more efficient data integration





Questions