

Today's Healthcare

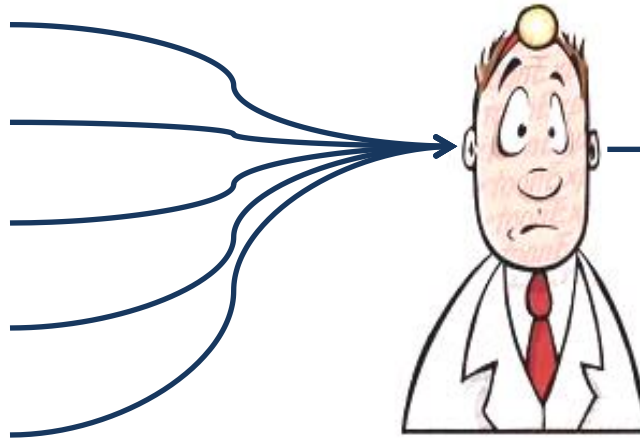
Medical Literature

Primary Research

Clinical Experience

Pharmacology

Diagnostics



Inconsistent &
sub-optimal
health-care

I4Health 
network

Tomorrow's Healthcare

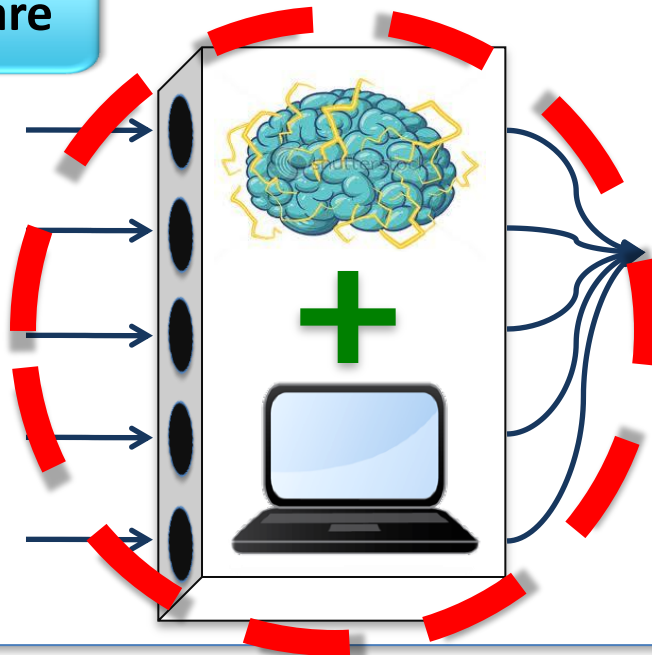
Medical Literature

Primary Research

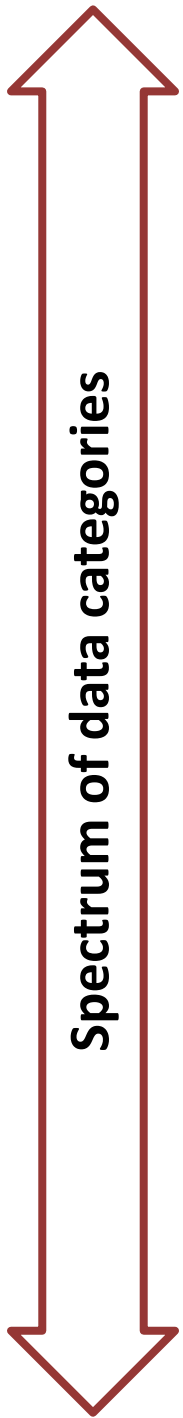
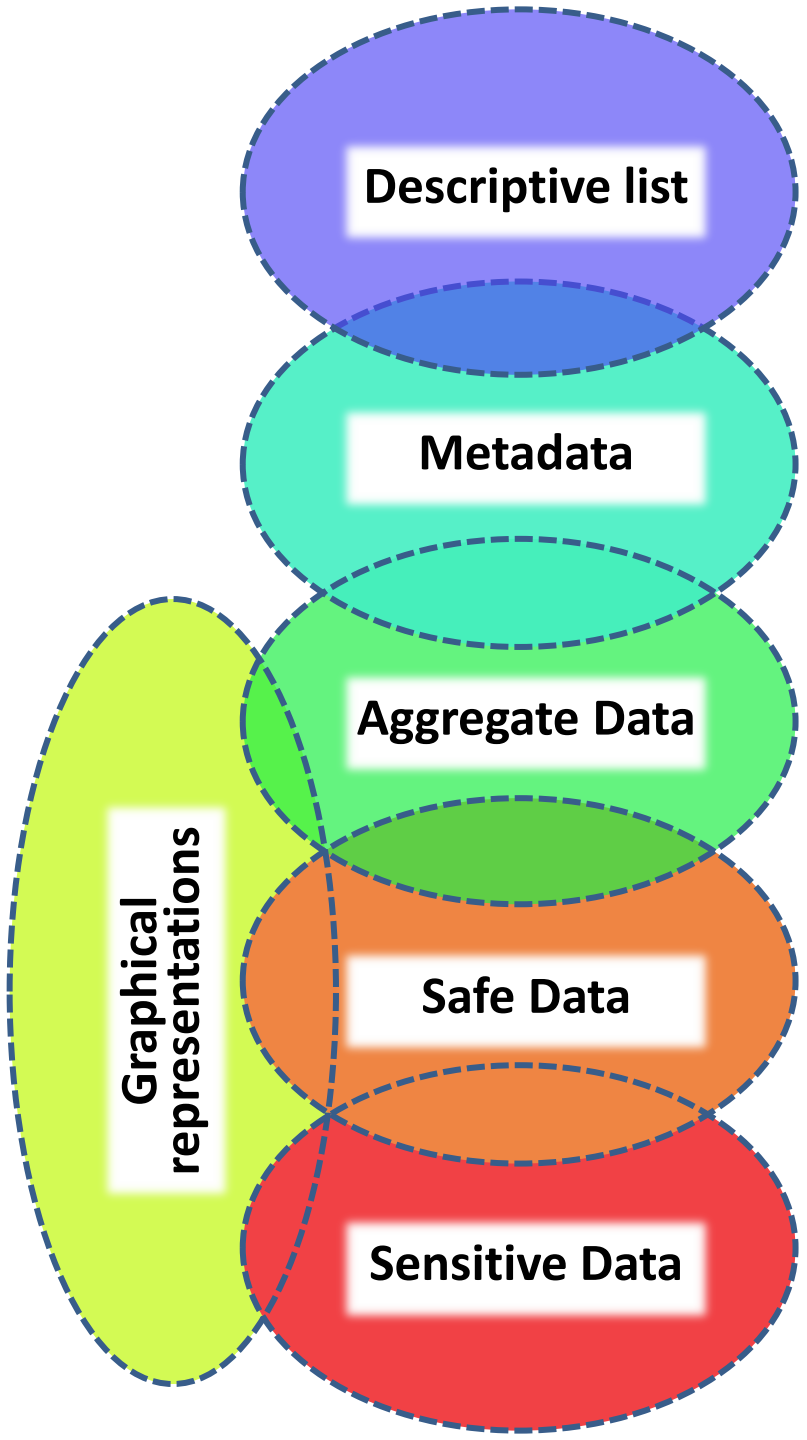
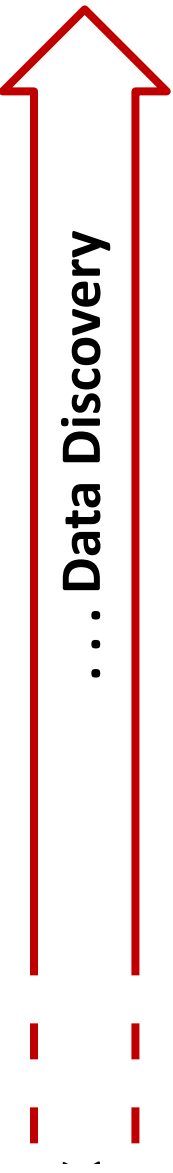
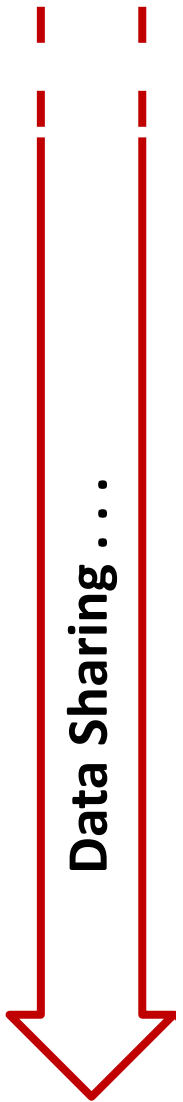
Clinical Experience

Pharmacology

Diagnostics



**There is a need
for comprehensive
'Data Discovery'**





Share the 'existence' rather than the 'substance' of data

This technology (or similar) sits atop/alongside existing local DBs to bring the discoverability and connectivity, without replacing or altering the local solutions

Data Discovery – Reporting Existence of data in Sources

Open Access



Core info for each entity record is shown & made available for download

Cafe Variome ID	Gene	Reference	HGVS	Phenotype(s)	Source ID
vs12	FB	NM_000332.3	c.3618A>G	Hemaphys A	diagnostic
vs14	FB	NM_000332.3	c.3463C>G	Hemaphys A	diagnostic
vs17	FB	NM_000332.3	c.6944C>T	Hemaphys A	diagnostic
vs19	FB	NM_000332.3	c.6544C>T	Hemaphys A	diagnostic
vs1	FB	NM_000332.3	c.4904C>T	Hemaphys A	diagnostic
vs4	FB	NM_000332.3	c.3841C>G	Hemaphys A	diagnostic
vs10	FB	NM_000332.3	c.8769A>G	Hemaphys A	diagnostic
vs15	FB	NM_000332.3	c.3251C>G	Hemaphys A	diagnostic
vs16	FB	NM_000332.3	c.8028A>C	Hemaphys A	diagnostic

Restricted Access



Core or full record details are provided per record, if:

- User is pre-approved by group access permissions set by data owner
- Access is approved after facilitated email request to the data owner

Linked Access



Source DB resource

No data, only link to the data source is reported.

Access managed by source db

- Allows users to interrogate patient records based on highly flexible GENO and/or PHENO query options (generic API available), to locate 'exact' or 'similar' hits ('ontology based')
- Sits alongside source databases, as a 'discovery shop window', allowing complete flexibility over which fields are search or returned, with user/role based permissions managed at single record level
- Multiple installs & federated searches, with 6 networks now testing the system