

CPRD

Clinical Practice Research Datalink

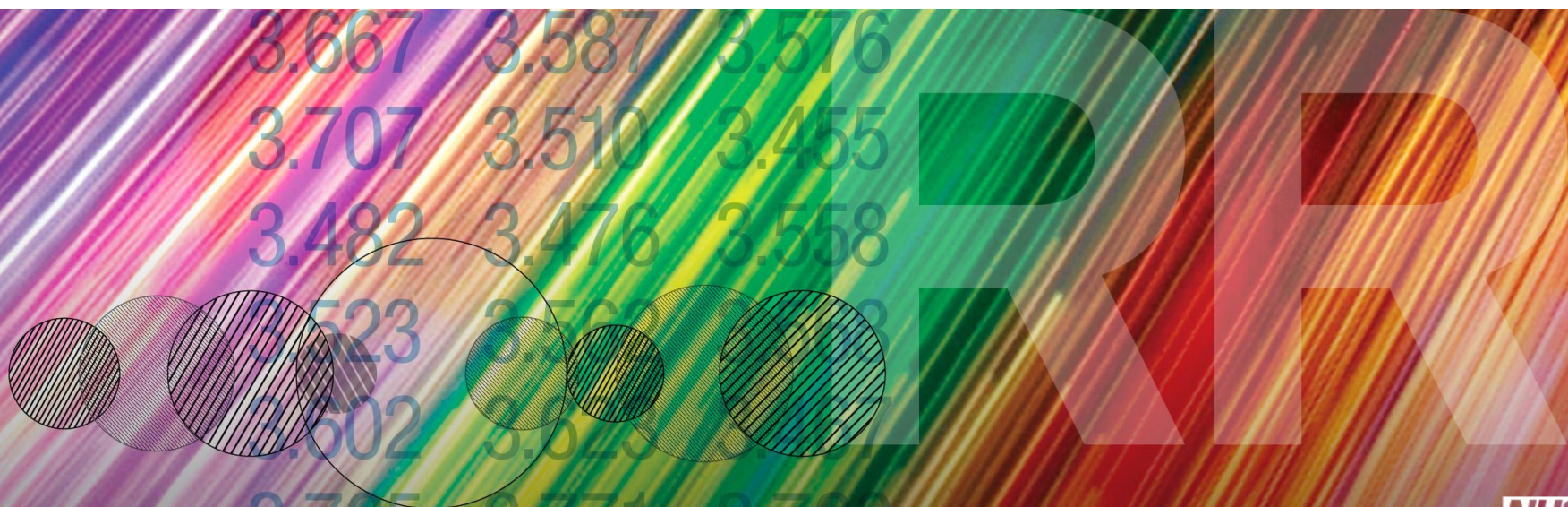
john.parkinson@cprd.com

Primary care data – CPRD & GPES what we might expect from CPRD

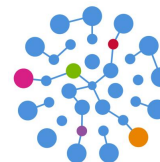
Feb. 2013

Unlocking the potential of **OTHER** Patient Data in Research

Observational & Interventional



Quality • NHS Clinical • Linkage • Real world • Randomised • PROs • Population 52M+



CPRD
MORE DIMENSIONS TO DATA

All England 53 million

+ 12 million – Scotland, Wales and NI.

by agreement

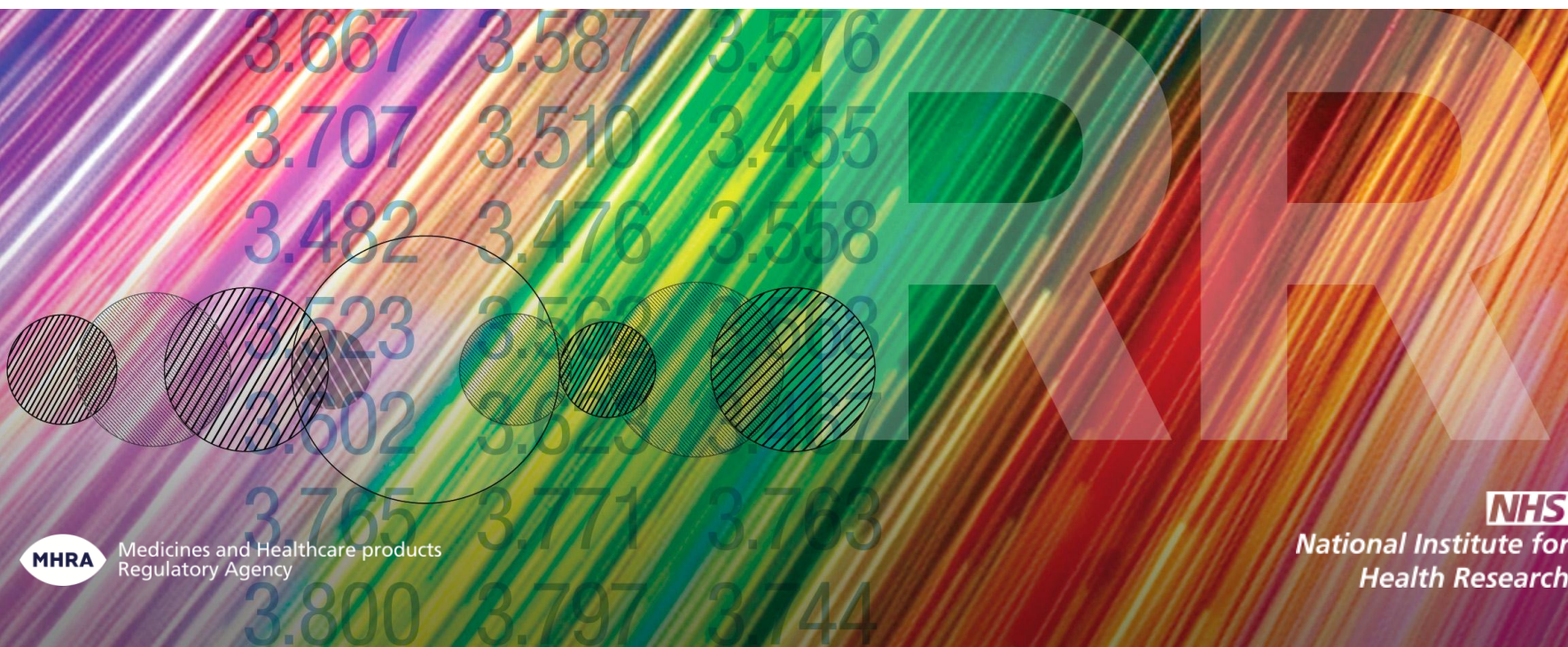
Incremental approach

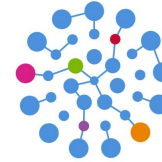


Health and Wealth Agenda

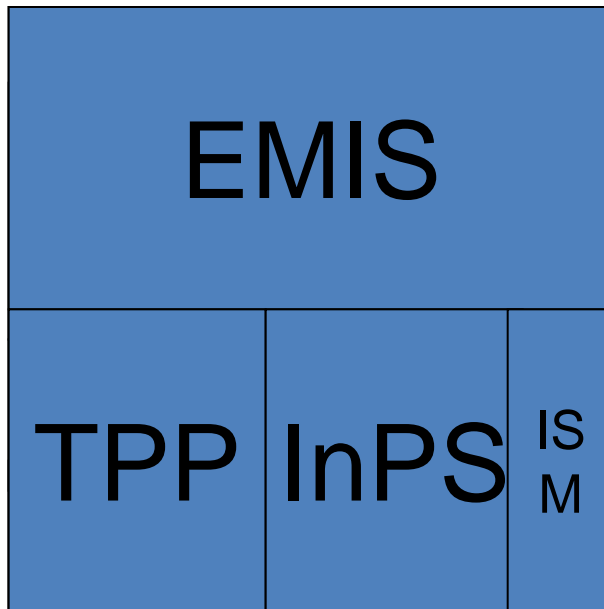
All research studies benefit the NHS in some way

CPRD welcomes research from Pharma, Biotech, Devices & CROs





8200 England GP Practices

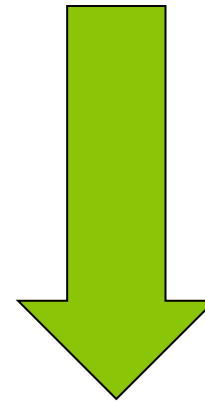
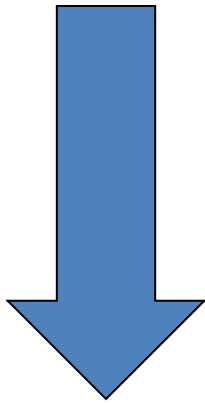


One
solution
GPES

CPRD has
separate
BMA/RCGP
Approval for
Research uses

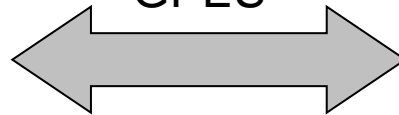
Research

Audit, Surveillance



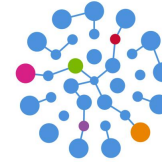
CPRD
MORE DIMENSIONS TO DATA

MoU
Linkage
Systems
Portal
GPES



HSCIC





GP data- fundamental role

The gatekeeper data

Primary Care

with drugs

with vaccines

with Lifestyle

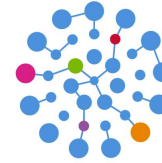
with Labs

with Discharge summaries

with History

with quality markers (350 papers)

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CPRD
MORE DIMENSIONS TO DATA

+ linked



CPRD Data and Linked Data

Master Datasets

I° Care
8500 Practices
8LRNs

%

Lab
Path
Microb.

HOSPITAL
HES

N

DEATH
ONS

N

BIRTH
ONS

N

Key National Linkage Datasets, including multiple linkages

ONS
Census
Data

HQIP
Disease
Audit
40

IMS
Drugs in
Hospital

PHE
Cancer
BINOCAR
+

Disease
Reg.
5

**Social
Care**

Other data

Environ.
Air Poll.

Local
Data

Consented data, with permissions to link to above

**Clinical
Trials**

**Bio-
samples**

**Patient
Reported
Outcomes**

National Datasets

Cancer - head/neck, lung, breast, bowel, urological, childhood

Cardiovascular- cardiac surgery, CHF, Congen.HD., MI, Pul. Hypert, Sudden Arrhyt. D.

Gastro-Intestinal- gastro-neuromusc.

Mental Health – Dementia, Schizophrenia, psychological treatments

Haematology

Older People – Continence, falls/bone, hip fracture, sentinel strokes

Women – Heavy MB.,

Children – Epilepsy, Neonatal, Paed. IC, Diabetes

Long Term – diabetes, pain, biologics, asthma, immunod, IBD, haemophilia, sarcoid, cystic f.,

Ophthalmology

Orthopaedic

Trauma –TARN

HOSPITAL DRUGS - NEW, Pharmacy based and Cancer administration

Coding issues

Own codes

Problem or journal based

Diabetes

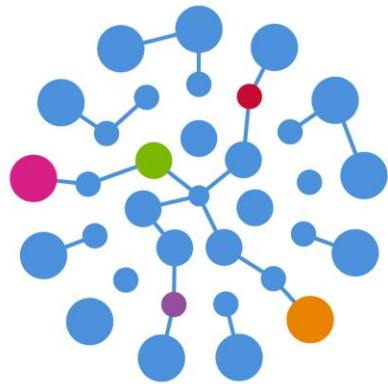
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Algorithms

Governance

CPRD holds:

1. Single Ethics approval for observational research
2. NIGB/ECC linkage approval (letter awaited)
3. ISAC –scientific approval Risk based (max 21 days)
4. Powerful Data Stewardship approach (Caldicott)
5. National NHS Caldicott Letter



CPRD

MORE DIMENSIONS TO DATA

Clinical Practice Research Datalink

The NIHR National Solution

NIHR Partner

MHRA

Medicines and Healthcare products
Regulatory Agency

3.765 3.771 3.763
3.800 3.797 3.744

NHS

National Institute for
Health Research

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