

BORN & BRED in (BaBi) NETWORK

The NETWORK

PIONEERING
centre for

connecting
routine data at
LOCAL LEVEL



AIMS

✓ Harness DATA
to better understand

CHILDREN & FAMILIES

✓ Create COHORTS to
answer RESEARCH QUES.
& INFORM SERVICES

CHALLENGES

✗ Developing META COHORT

✗ DIFFERING DEFINITIONS

✗ Record system VARIATION

✗ Routine data LIMITATIONS

Benefits

✓ Sustainability

✓ Skill sharing

✓ +ve relationships

✓ Partnership



One of the LARGEST studies, tracking 50,000 Bradford people

CHALLENGES of ADMINISTRATIVE DATA LINKAGE

by ANNE GASTEEN

BUREAUCRACY

BUILDING RELATIONSHIPS
took time + energy

Bound up with **ETHICS**

CONSENT & SECURITY

SAFEGUARDING
main concern

Respondent **CONSENT**
a challenge
BUT NOT NECESSARY

LOW TRUST
in gov. mt
"TRANSPARENCY"
is crucial

RESOURCES

POOR AVAILABILITY

Questionable **DATA QUALITY**

Lack of **SKILLED RESEARCHERS**

ACCESS

PIECEMEAL
infrastructures

VARIABLE
access &
Linkage keys

RECOMMEND:

SEEK CONSENT **TRULY NEEDED**

POOL EXPERTISE

SINGLE ID NUMBERS
for LINKAGE

INFRASTRUCTURE
development

UK LONGITUDINAL LINKAGE COLLABORATION

Robin Flaig

WHAT IS IT?

A 4 NATIONS infrastructure for **SECURE** cross-cohort analysis



DATA SETS

NHS DATA +

LONGITUDINAL POPULATION STUDIES

ADMIN RECORDS

ENVIRO. & NEIGHBOURHOOD

CHALLENGES



Short time frame



Short-term FUNDING



COMPLEX data processing



LACK of CAPACITY



Different STAKEHOLDER REQUIREMENTS



ACCESS process

CLARITY vs ACCURACY

LEARNINGS

COMMUNICATION essential

DON'T make assumptions



GOOD Documentation

TEST & LEARN

THINK FUTURE

DON'T REINVENT THE WHEEL



ADDRESS LEVEL GEOGRAPHIC LINKAGES

WHAT DATA-SETS CAN
WE LINK?

- ✓ Land Registry Price Paid
- ✓ Energy performance
- ✓ Historic OS mapping
- ✓ OS Points of interest

David
Church
UCL

BENEFITS

- ✓ Increased accuracy
- ✓ Create more meaningful neighbourhoods
- ✓ More accurate distance measures
- ✓ Eliminate ambiguity measures

CHALLENGES

- ✗ Ref. data not freely available
- ✗ Potential replicability issues
- ✗ Fuzzy matching
- ✗ Need to preserve cohort confidentiality