Maximising value of population health sciences data

The role for Data Management Plans

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MRC data strategy

- Research driven
- People: leadership & skills
- Standards: ethics, security...

- Policies
- Partnerships
- Resources and commitment

The science

Methodology, infrastructure & capacity

Data

Omics

Informatics and databases

High volume and throughput

Population health science

Epidemiology, research cohorts

Rich, diverse, high quality

E-health

Research capability programme

Patient data, confidential
Vision

- Impact
- Quality
- New & sustained value

Connecting & Sharing Data ⇒ Discovery Science ⇒ Health
MRC overarching research data policy

- Maximising value - across the lifecycle
- Share – with as few restrictions as possible
- Balancing PI and new user needs
**MRC overarching research data policy**

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PI-led Cohorts

- Hard to find
- Hard to access
- Hard to support external requests

Community resources

Discoverable, accessible, supported

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Work in Hand
Better discovery of PHS studies
- MRC Research Data Gateway
Updating policy
- Clarifying policy requirements
- Harmonised with other funders
Support for PIs & peer reviewers
- Better Data Management Plans
- Better recognition for sharing and sharers
Improved Data Management Plans

1. Aims
- Best practice in data-management
- Proper resourcing

2. Cover
Standards & costs for:
- Data collection
- Own research
- Data curation
- Data sharing

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3. DMP Headings
1. Description of the data
2. Data collection/generation
3. Management, documentation & curation
4. Security, confidentiality
5. Sharing & access
6. Responsibilities
7. Institutional policies

Plus: summary metrics of part performance

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4. Keep it simple

- Informative: two audiences
- Specific: e.g. name standards
- Concise: $\frac{1}{4}$ to 3 pages
- Don’t forget: your achievements & innovation
Questions?