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Health Data Research UK



ADRUK
Data-driven change

DARE UK

SARA: Semi-Automated Risk Assessment of Data Provenance and Clinical Free-text in TREs

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THE UNIVERSITY
of EDINBURGH

Focus on improvements to risk assessment



Data provenance to improve data processing and auditing transparency



Privacy risk assessment to improve availability of clinical free-text

Our Approach – 3 Work Streams

1

Understand public and stakeholder perceptions of appropriate risk levels around data provenance and privacy in clinical free-text

2

Framework and prototype for partial automation of risk assessment of clinical free-text

3

Framework for semi-automation of data provenance creation and auditing to improve risk assessment

Our Approach, Work Stream 1

1

Understand public and stakeholder perceptions of appropriate risk levels around data provenance and privacy in clinical free-text

- External facilitators, include public contributors in design process
- Two part consultation: survey, workshops
- Output and material publicly available

Our Approach, Work Stream 2 & 3

Framework and prototype for partial automation of risk assessment of clinical free-text

2

Building on Existing Work

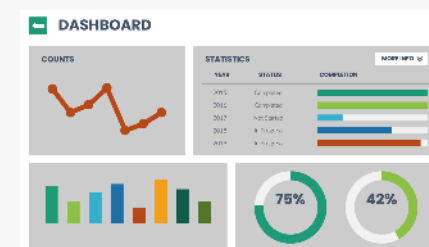
- Data provenance tools built on synthetic data
- Risk map (discharge summaries)



3

Framework for semi-automation of data provenance creation and auditing to improve risk assessment

Enhance Process – Dashboard
-highlight information allow audit and assessment
-prototype toolkit can be shared



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Grampian Data Safe Haven
University of Aberdeen • NHS Grampian



West of Scotland Data Safe Haven



Incorporating multiple and diverse perspectives through consulting members of the public, Information Governance teams, and Data Controllers / Processors.



Improves alignment and consistency in approach and promotes more timely access to data for research.
Collaborative approach increases the potential reach.



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Thank you for listening