The Avon Longitudinal Study of Parents and Children (ALSPAC)

A Bristol contribution to an international stage
ALSPAC – a truly unique resource

>30k participants, >1.2 million bio-samples, >80k variables
28 years of deep longitudinal study, >2100 papers - H-index >130
800 listed users, 18 proposals/month, industrial partners, policy changing output...

>14541 pregnancies, 75% of all
**Now** linkage consented and 8954 active

>9k at 8yrs, >6k at 18yr, 4.5k stable
**Now** >80% linked and 6778 active

**Now** >1000 new pregnancies
3300 pregnancies over next 5 years
Linkage consented
WARNING! Switch off air con unit Number: OH 001/5 when using chloroform.
LINKAGE … establish generalisable data and governance pipelines to local NHS Trust datasets.

EXPANSION … establish wider permissions to link these to a full population Bristol, North Somerset and South Gloucester (BNSSG) dataset.

‘Big Data’ approach across the whole population as an eCohort - active route from research back to practice and impact is the Bristol Health Partners and their Health Integration Teams (HITS).

www.bristolhealthpartners.org.uk/health-integration-teams/

ALSPAC databank - nested deeply-phenotyped and longitudinal records providing accurate prevalence estimates and detailed studies.
Increasing amounts of data is collected about various aspects of people's life, especially habitual behaviour.

- Real world behaviours: Not a self-report or lab-based measure.
- Dynamic: Multiple measures per person at close to continuous time scales; highly granular; can travel back in time.
- Low burden: Easier for participants.
Follow plans for ALSPAC 2019–2024
www.bristol.ac.uk/alspac
University Court 2019: The Global Civic University

December 6, 2019

bristol.ac.uk
Digital Health in the City
co-creating knowledge

Miss Hannah Berg (*We The Curious*)

Prof Ian Craddock (*University of Bristol*)
Need for research

Get funding

Research question

Ethical review

Design an experiment

Collect data in experiment

Analyse data

Share findings
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<th>Step</th>
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<tr>
<td>Need for research</td>
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<tr>
<td>Get funding</td>
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<tr>
<td>Research question</td>
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<tr>
<td>Ethical review</td>
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<tr>
<td>Design an experiment</td>
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<td>Collect data in experiment</td>
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<tr>
<td>Analyse data</td>
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<td>Share findings</td>
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**Diagram:**
- Need for research circular flow to Share findings.
- Ethical review circular flow to Collect data in experiment.
- Design an experiment circular flow to Analyse data.
- Collect data in experiment circular flow to Analyse data.
- Share findings circular flow to Need for research.

**Table:**

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
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</thead>
<tbody>
<tr>
<td>How would you rate the quality of your sleep last night?</td>
<td>1, 2, 3, 4, 5</td>
</tr>
<tr>
<td>Did you wake up feeling fresh and ready to start the day?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>Did you wake up feeling refreshed?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>What have you eaten this morning before doing this task?</td>
<td>Yes, No</td>
</tr>
<tr>
<td>What have you drunk this morning before doing this task?</td>
<td>Yes, No</td>
</tr>
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Collect data in experiment

Analyse data

Share findings
Conclusions

Working with the city:
1. Engaging the community yields better research.
2. We are actively engaging minority populations.

University/We The Curious:
1. Successful partnership from long term strategic alignment.
2. Trust between organisations.
3. Time and resources.
University Court 2019: The Global Civic University

December 6, 2019
MEMPAZ: Bringing memories in from the margins

- Universidad Nacional de Colombia
- University of Bristol
- Civil society partners
  - Biblioteca Nacional
  - Red de Lugares de Memoria
  - Rodemos el Dialogo
  - Ruta Pacifica de las Mujeres

- Colciencias / AHRC / Newton funded
Working with the Colombian truth commission

• Memorandum of Understanding between UoB and CEV

• AHRC GCRF funded network on education and crisis

• PhD student internships (x3)

• Additional AHRC funding for MEMPAZ to support CEV
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bristol.ac.uk
1. Moving towards the longer term, what could be our aspirations around being a civic university?

2. What does success look like? How do we know we have become a global civic university?

For those attending remotely, please share your comments via sli.do: https://www.sli.do/
Event # C027