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Health Data Research UK



ADRUK
Data-driven change

Children and young people with type 1 diabetes: data linkage beyond health

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Associations between diabetes and education



Why focus on diabetes:

- Common condition
- Clean diagnosis
- Rich and mature audit records
- Clinical, public and patient engagement
- Leader for other paediatric health conditions

Other considerations:

- Clusters
- Covariates and common factors
- Mechanisms

Q1: What are the associations between having diabetes and educational outcomes (attainment, absence, university)

Q2: What are the associations between blood glucose management and educational outcomes?

Age Coverage for each of the linked datasets

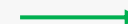
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25+



Primary & Secondary school pupil data



College setting (16+)



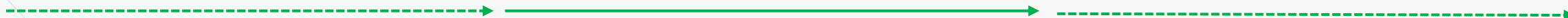
University / Higher Education (HESA)



Graduate destinations



National Paediatric Diabetes Audit

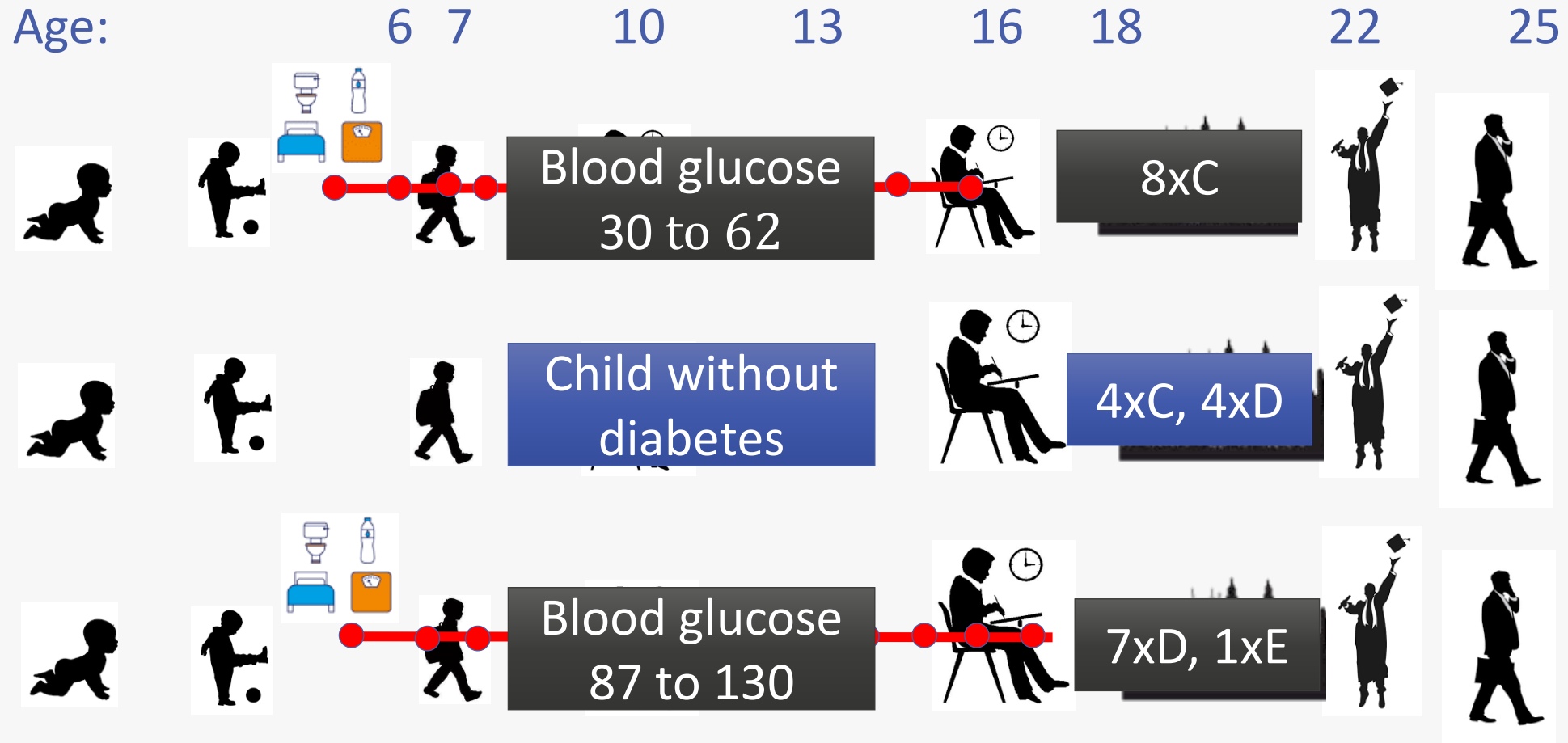


National Diabetes Audit





Educational attainment aged 16



Blood glucose (HbA1c)
units=mmol/mol

Example GCSE grades
(points equivalent)



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Thank you for listening

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