Outcomes

Child Health

- To predict, anticipate or inform individual health needs
- To deliver insight, improve quality & reduce adverse outcomes across the whole care pathway
- To expand the existing population health programme in East London
- To enable real time reporting on programmes by providers and commissioners
- To support research, development and planning, on consented identifiable data, or a pseudonymised dataset

Projects

A range of early projects identified to use linked dataset:
- Clinical Effectiveness Group – Enhanced Analysis
- Atrial Fibrillation
- Child Health – Weight Management & HPV Immunisation
- East London Genes & Health
- NLP – Clinithink
- ‘Where is my Patient?’
- Tower Hamlets – Whole Systems Data Project (inc. Council / Social Care)
- CRUK Early Diagnosis – Actionable Moments

A range of projects awaiting Board endorsement to use linked dataset:
- Barts Health - Heart Failure
- NEL STP – Analytics Dashboard
- Non-GP Community Services

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Links with broader UCLP informatics-related themes:
- DigitalHealth.London
- Global Digital Exemplars
- NHS Innovation
- CareCity
- Trusted Research Environment

Inputs

- Host Programme Management resource to support the formalisation of the programme
- Provide system-wide relationship links with contributing parties from broader footprint:
  - Farr Institute / HDR UK
  - NCL STP
  - Barking, Havering & Redbridge
  - CareCity
  - UCL / CLARHC
- Links with wider UCLP

Processes

- Facilitate technical delivery of data extracts to build linked dataset
- Ensure robust and comprehensive information governance & data sharing processes & documentation
- Develop analytics & algorithms to support endorsed & approved project applications
- Comprehensively engage with and involve patients and the public in the progress of the programme
- Comprehensively engage with and involve stakeholders in the progress of the programme
- Formalise the legal structure & governance to be fit for the future (Community Interest Company)
- Ensure sustainability of the programme – NHS funding, academic research grants, collaboration with innovation & industry

Outputs

- Technical delivery of data feeds from primary (183 practices), secondary (7 trusts), community (EMIS, RiO etc.) and mental health, enhanced with social care/schools data from local authorities (Q4 2017/18)
- Approved and robust information governance structures & processes (Q1 2018/19)
- Completed Data Sharing Agreements with all data controllers (Q4 2017/18)
- Engagement with & representation from all contributing parties/stakeholders within the programme
- Scoped plan for PPI and engagement events from September 2017
- Plan and process to progress to a Community Interest Company by February 2018
- Plan for bid development across 2018/19 – NHSE, ITT, AAR & Health Foundation etc.

Impacts

- Improved chronic disease management and care planning for conditions such as Diabetes, Renal, Cardiac conditions and End of Life
- Develop APIs to enable direct engagement with specific patient groups (as identified by practice, regional and national priorities) and provision of alerts/tracking to all practices by 18 months of operation – improve targeted primary care and support child safeguarding activities and supporting patient access to combined GP/hospital medical records
- Configure insights from Discovery programme to be automatically incorporated into the record to improve record viewing arrangements for professionals and increase the number of views for selected conditions (as identified by practice, local or national priorities) within six months of operation
- As a specific example, increase to 85% appropriate anticoagulation without exception in eligible AF CHA2DSVASC >1 within nine months of operation
- Ensure seamless data/information feed to National Cancer Registry in conjunction with CRUK application and within 12 months of operation

*Italics = planned next steps and/or target outcomes and impacts