

Data for Children Collaborative with UNICEF

IMPACT COLLABORATIONS Challenge Question

Reference Number ICC01

Challenge Question

What is the best approach to using data to tackle the socioeconomic impacts of COVID-19 on children?

Background & Detail

The Data for Children Collaborative with UNICEF was set up to explore how data science could be brought to bear on societal issues facing children in Scotland and across the globe and how this might inform new approaches to policy and practice in UNICEF and Scottish Government.

In this context, the aim of this project is to conduct a desk-based exercise that maps the sources of information (data) - and details about those sources - that are seen to relate to understanding more about the socioeconomic impacts of COVID19 for and on children, and by extension how to tackle them.

The project should answer questions such as:

- what data is available;
- how is it accessed;
- what's its periodicity and relevance;
- what organisations need to be engaged with as partners to access this data?

Desired Outcome

Publicly accessible report outlining best approaches, mapped capability and available data, for addressing the socioeconomic impact of COVID-19 to children.

Challenge Sponsor(s)

Scottish Government & UNICEF

Stakeholder(s)

Scottish Government, NHS Scotland, Research Community, UNICEF

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Work Packages

These work packages set out the broad skill sets needed to meet this challenge. It is likely that there may be additional skills required. We encourage applicants to propose capabilities that may lie out with the work packages below, as these will also be considered when forming a collaboration.

WP1: Literature Review

Description: To answer this challenge, the team will need to review the existing research activity relating to socioeconomic impacts on children. This work may require leveraging pre-existing research and adapting the outcomes to meeting the topic question.

Expected Skills/Knowledge: Topic Knowledge (socioeconomics), Literature Reviews

Proportion of Project [estimated]: 25% - 35%

WP2: Data Sourcing

Description: A large proportion of this project includes the identification of suitable data sets. An in-depth understanding of data engineering and access restrictions will be essential. Also key is the need to identify methodologies to mine, analyse and visualise these data sets.

Expected Skills/Knowledge: Data Engineering, Data analytics, Information Governance

Proportion of Project [estimated]: 50-60%

WP3: Capability Mapping

Description: Scotland has a growing data community with a broad range of capabilities that could support work in this field. It is envisaged that this project will include an element of capability mapping to outline the organisations that can engage in future work and support working towards addressing the challenge.

Expected Skills/Knowledge: Business Development, Business Analytics,

Proportion of Project [estimated]: 25-35%

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Additional Information

Funding Availability

For this challenge question, The Data for Children Collaborative can fund project partners a portion of up to £50,000. The funding available to individual organisations will be dependent on the agreed contribution to the project once the collaboration has been formed and delivery plan approved.

We welcome applications from all sectors (private / public / third / academia) and encourage submissions from any team looking to do any in kind Data for Good work to develop their expertise.

If possible, we encourage private sector partners to provide time pro-bono. Funding is available at 70% of total contribution with 30% match funded through in-kind contributions.

Academic partners will receive 80% FEC.

Timescales & Deliverability

Due to the reactive nature of this challenge question, we would aim to begin work by 1st July 2020. The project, including its defined work packages, will take no longer than 3 months. The deadline for submissions is 12th June 2020 with the collaboration workshop taking place week commencing 15th June 2020.