Call for Demonstrator Projects

ABPI Big Data Demonstrators

Background

In November 2013 the ABPI launched their 'big data road map' document. This is a four-point plan to direct progress over the next four years. The four areas of focus in the plan are: increasing awareness; building capabilities and capacity; creating sustainable data ecosystems; and accelerating high-value opportunities.

One of the big data road map actions is to accelerate high-value opportunities through the development of a demonstrator project portfolio, that showcases proof of concept projects of the application of big data techniques in areas such as genomics, interventional trials and observational studies, comparative effectiveness and value, and pharmacovigilance across the UK data ecosystem.

We are seeking project examples of the innovative use of data – either from projects that have already completed (retrospective), are in progress (current) or planned projects (future).
This demonstrator project portfolio will seek to:

1. collect practical experiences in conducting 'big data' activities as input for identifying and showcasing the current UK capabilities.
2. demonstrate 'big data' activities to interested third parties in order to share experiences and best practice in the running of these activities.

The ABPI will facilitate the showcase of these demonstrator projects to the pharmaceutical industry via its membership.

UK organisations that are involved in 'big data' activities are kindly asked to show their interest to act as a DEMONSTRATOR to enhance our practical view on the subject, as well as to show the broader global community about your activities. We believe that participation will provide you the opportunity to benefit from this, as participation will enhance the visibility of your organisation and activities and you will be at the forefront of the development of UK capabilities to support future work in this area.

Scope

Projects should aim to deliver an improvement in either medicine development or healthcare delivery and should involve novel methods of using patient data. See Appendix 1 for the types of projects we are interested in.

As we seek to showcase the UK 'big data' environment, demonstrator projects can come from a wide range of sources such as NHS organisations, businesses of any size, as well as academic organisations within the UK.

Submission Process

The call for projects will be formally launched on the **22 May 2014**. There is a rolling submission deadline for submitting projects of interest but we would seek to receive the attached 'Project of Interest' template (see Appendix 2) **no later than 12 August.**

This will allow us to contact shortlisted projects for on-going discussion to showcase the projects, including collections of key learning's and best practice no later than **1 September** in the first instance.

Completed forms should be sent to 'abpicomms@abpi.org.uk' with the subject header 'Demonstrator Project of Interest'.

Appendix 1 - What projects are we interested in?

Projects should aim to deliver an improvement in either medicine development or healthcare delivery and should involve novel and/or innovative methods of using patient data or wider health data that demonstrate one or more of the following attributes:

1. Demonstrating innovative ways of leveraging existing health data sources such as:

a. A novel method of linking data from one or more previously unlinked databases, at least one of which is a patient database.
b. The ability to aggregate information from greater numbers of patients than has been achieved before in any therapeutic area.
c. The ability to read aggregated results from two or more linked databases with greater statistical accuracy than has been achieved to date.
d. A mechanism to link and/or search data in a novel way that can be replicated across differing types of database, and is scalable across different sizes and locations of databases.
e. A novel method of linking data that can accommodate different coding systems that have been used in medical records to date, and enable accurate amalgamation of records.
f. The capability to accommodate medical records from different languages, perhaps also including a novel type of translation tool.

2. An innovative project to gain benefit from existing health and wider data sources such as:

a. The ability to create a longitudinal picture of the effect of a treatment regime on patients, giving data on adherence levels and outcomes.
b. A novel use of linked patient data that has informed a beneficial development in trial design to achieve more accurate results.
c. A novel use of linked patient data that demonstrates improved patient safety at any stage of the drug development process.
d. The use of linked data to improve clinical decision making or commissioning, in terms of speed and accuracy of reviewing and recommending a particular treatment regime for patients.

3. An innovative project that develops data governance tools and frameworks for health data such as:

a. A project that will leverage existing data governance arrangements and develop new frameworks for data governance.
b. A project that will develop appropriate governance to protect personal data in smaller patient populations.

Appendix 2 - Projects of Interest template

1. Title

2. Summary of project (max 300 words).

3. What strategic questions did your project seek to address/explore and/or what was innovative about the projects? (max 250 words).

4. Which of the attributes in Appendix 1 did your project seek to address?

5. Which datasets are included in your project?