North Thames Genomics – Estimates for Modelling Work

# Rare Diseases Dataset

Initial analysis of the dataset has resulted in the following modelling requirements:

1. A total of 90 archetypes are required:
   1. New simple archetypes 37 (41%)
   2. New complex archetypes 7 (8%)
   3. Simple modifications to existing archetypes 19 (21%)
   4. Complex modifications to existing archetypes 1 (1%)
   5. Existing archetypes 26 (29%)
2. These will be compiled into 15 templates.

Based on these figures we estimate that the modelling work itself will require a total of 23 days’ effort.

In addition to the modelling work itself, extra time is required for further analysis, reviews and clarifications. This is estimated to be 7 days.

Based on our usual daily rate of £695 + VAT, the total estimated cost is £20,850 + VAT.

We estimate that we can deliver the models over a six-month period.

# Cancer Dataset

Initial analysis of the dataset has resulted in the following modelling requirements:

1. A total of 54 archetypes are required:
   1. New simple archetypes 9 (17%)
   2. New complex archetypes 1 (2%)
   3. Simple modifications to existing archetypes 6 (11%)
   4. Complex modifications to existing archetypes 7 (13%)
   5. Existing archetypes 31 (57%)
2. These will be compiled into 15 templates.

Based on these figures we estimate that the modelling work itself will require a total of 13 days’ effort.

In addition to the modelling work itself, extra time is required for further analysis, reviews and clarifications. This is estimated to be 5 days.

Based on our usual daily rate of £695 + VAT, the total estimated cost is £12,510 + VAT.

We estimate that we can deliver the models over the same six-month period as the Rare Diseases Models.

# Basis for calculation of effort

The following estimates are used to calculate the number of hours required for the modelling work:

New simple archetype 2 hours

New complex archetype 4 hours

Simple modification 1 hour

Complex modification 2 hours

Template design 4 hours

# Analysis

The links below provide access to the mind maps which were produced to illustrate how the datasets can be mapped to openEHR models.

Archetype exists

Archetype exists

**Rare Disease Dataset:**

Needs further analysis

<http://www.xmind.net/m/ZvDB>

Needs new archetype

**Cancer Dataset:**

Needs modification

<http://www.xmind.net/m/enGk>